CONTENT

1. Anaesthesiology and Intensive Medicine.................................................................4
2. Anatomy 1...........................................................................................................6
3. Anatomy 2..........................................................................................................8
4. Anatomy 3..........................................................................................................10
5. Anatomy Dissection 1.......................................................................................12
6. Anatomy Dissection 2.......................................................................................14
7. Behavioral Medicine.........................................................................................16
8. Biology 1............................................................................................................17
9. Biology 2............................................................................................................19
10. Bioorganic Chemistry in Medicine.................................................................21
11. Biostatistics.................................................................................................22
12. Clerkship - General Medicine.........................................................................23
13. Clerkship - Gynaecology and Obstetrics.........................................................25
14. Clerkship - Internal Medicine.........................................................................26
15. Clerkship - Surgery...........................................................................................28
16. Clinical Biochemistry.....................................................................................29
17. Clinical Biophysics.........................................................................................30
18. Clinical Immunology......................................................................................32
19. Clinical Physiology - Sleep Medicine.............................................................34
20. Computer Biometrics......................................................................................35
21. Čítanie lekárskych textov v slovenčine.............................................................37
22. Dentistry..........................................................................................................38
23. Dermatovenerology 1.....................................................................................39
24. Dermatovenerology 2.....................................................................................41
25. Diploma Thesis and Diploma Thesis Defence..................................................43
26. Donation and Transplantation Programme....................................................44
27. Epidemiology..................................................................................................45
28. Evidence Based Medicine...............................................................................47
29. First Aid..........................................................................................................49
30. Forensic Criminalistics...................................................................................51
31. Forensic Medicine and Medicine Law............................................................52
32. Fundamentals in Nutrition and Clinical Dietology..........................................53
33. Fundamentals of Health Risk Assessment.......................................................54
34. Fundamentals of Immunology........................................................................55
35. General Medicine..........................................................................................56
36. Geriatrics........................................................................................................58
37. Gynaecology and Obstetrics..........................................................................59
38. Gynaecology and Obstetrics 1.......................................................................60
39. Gynaecology and Obstetrics 2.......................................................................61
40. Gynaecology and Obstetrics 3.......................................................................62
41. Health Care Management................................................................................64
42. Health Damage in Medical Practice...............................................................65
43. Health Psychology..........................................................................................66
44. Histology and Embryology 1..........................................................................67
45. Histology and Embryology 2..........................................................................69
46. Hospital Information System.........................................................................71
47. Hygiene............................................................................................................73
48. Infectology Medicine......................................................................................75
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>49. Internal Medicine</td>
<td>76</td>
</tr>
<tr>
<td>50. Internal Medicine 1</td>
<td>80</td>
</tr>
<tr>
<td>51. Internal Medicine 2</td>
<td>82</td>
</tr>
<tr>
<td>52. Internal Medicine 3</td>
<td>84</td>
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<tr>
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</tr>
<tr>
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<td>88</td>
</tr>
<tr>
<td>55. Internal Medicine 6</td>
<td>90</td>
</tr>
<tr>
<td>56. Internal Medicine - Propedeutics</td>
<td>92</td>
</tr>
<tr>
<td>57. Komunikačné zručnosti v slovenčine pre lekársku prax 1</td>
<td>94</td>
</tr>
<tr>
<td>58. Komunikačné zručnosti v slovenčine pre lekársku prax 2</td>
<td>95</td>
</tr>
<tr>
<td>59. Laboratory Diagnosis in Clinical Practice</td>
<td>96</td>
</tr>
<tr>
<td>60. Medical Biochemistry 1</td>
<td>97</td>
</tr>
<tr>
<td>61. Medical Biochemistry 2</td>
<td>98</td>
</tr>
<tr>
<td>62. Medical Biophysics</td>
<td>99</td>
</tr>
<tr>
<td>63. Medical Communication in Slovak</td>
<td>101</td>
</tr>
<tr>
<td>64. Medical Ecology</td>
<td>103</td>
</tr>
<tr>
<td>65. Medical English</td>
<td>104</td>
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<tr>
<td>66. Medical Ethics</td>
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</tr>
<tr>
<td>67. Medical Chemistry</td>
<td>107</td>
</tr>
<tr>
<td>68. Medical Informatics</td>
<td>108</td>
</tr>
<tr>
<td>69. Medical Law</td>
<td>110</td>
</tr>
<tr>
<td>70. Medical Terminology</td>
<td>111</td>
</tr>
<tr>
<td>71. Methodology of Biomedical Research</td>
<td>112</td>
</tr>
<tr>
<td>72. Microbiology 1</td>
<td>113</td>
</tr>
<tr>
<td>73. Microbiology 2</td>
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</tr>
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<td>77. Nuclear Medicine</td>
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<tr>
<td>78. Nursing Care 1</td>
<td>121</td>
</tr>
<tr>
<td>79. Nursing Care 2</td>
<td>123</td>
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<tr>
<td>80. Nursing Care - clerkship in hospital</td>
<td>125</td>
</tr>
<tr>
<td>81. Nursing Care - Clinical procedures</td>
<td>127</td>
</tr>
<tr>
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<td>129</td>
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<tr>
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## Course assessment
Total number of assessed students: 403

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**Provides:** doc. MUDr. Jozef Firment, PhD., MUDr. Judita Capková, PhD., MUDr. Monika Grochová, PhD., MUDr. Štefan Trenkler, PhD., MUDr. Vladimír Hudák, MUDr. Matúš Maruniak

**Date of last modification:** 02.02.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UA/A-GM1/14  
**Course name:** Anatomy 1  
**Number of credits:** 7  
**Recommended semester/trimester of the course:** 1.  
**Course level:** I.II.  
**Course language:**

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**Conditions for course completion:**  
The active presence at 3 written and 3 practical tests. Student has to reach minimum 90 points as a summary of 3 written (max. 90 points), 3 practical test (max. 60 points), and bonus points (max. 10).

**Learning outcomes:**  
The aim of this subject is for student to become familiar with anatomical terminology and to learn using it with description of human body. Fully understand anatomy structures of upper and lower limbs, their bones, articulations, muscles, vessels and nerves. Localization of these structures should be learned with emphasize on their regional importance and with their impact on neighbouring structures, to follow the main aim - their using in clinical practise. Knowledge of both systemic and regional anatomy of upper and lower limb should be used in application from the view of functional anatomy too.

**Brief outline of the course:**  
Ethical principles in anatomy, introduction to anatomy. Knowing anatomical terminology and its using both during the study of anatomy and in the clinical practise. Become familiar with general knowledge of bones, articulations, muscles and vessels. Study of skeleton, articulations and muscles of upper and lower limbs. Gaining knowledge of blood vessels, lymphatic system and innervation of the upper and lower limbs. Dissections of important anatomy regions in upper and lower limbs, study and dissection of superficial and deep structures in regions of limbs with emphasize on their clinical importance.

**Recommended literature:**  

**Notes:**
## Course assessment

Total number of assessed students: 1690

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**Provides:** prof. MVDr. Silvia Rybárová, PhD., prof. MUDr. Darina Kluchová, PhD., doc. MVDr. Jozef Mihalik, CSc., doc. MUDr. Ingrid Hodorová, PhD., doc. MVDr. Květuše Lovásová, PhD., doc. MUDr. Adriana Boleková, PhD., MUDr. Janka Vecánová, PhD., MUDr. Dalibor Kolesár, PhD., RNDr. Lenka Ihnátová, PhD., MUDr. Stanislav Matěffy, MUDr. Zuzana Ranglová, MVDr. Natália Hvizdošová, PhD., Mgr. Františka Horváthová, PhD.

**Date of last modification:** 09.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine
Course ID: UA/A-GM2/14
Course name: Anatomy 2

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 3 / 3 / 1 Per study period: 42 / 42 / 14
Course method: present

Number of credits: 9
Recommended semester/trimester of the course: 2.
Course level: I.II.

Prerequisites:

Conditions for course completion:
The active presence at 3 written and 3 practical tests. Student has to reach minimum 90 points as a summary of 3 written (max. 90 points), 3 practical test (max. 60 points), and bonus points (max. 10).

Learning outcomes:
The aim of the course is to provide the basic information about anatomical relations of thoracic and abdominal cavities, inner organs and topography of anatomy structures. Previous anatomy knowledge is led to connexions with anatomy of the body below head and neck in view of their function, blood and nerve supply, as well. Correlation between particular organs and anatomical structures aids understanding of the human body entirety.

Brief outline of the course:
Thorax in general, mediastinum, heart, respiratory system. Abdominal regions, topography of organs of abdominal cavity and pelvis.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1568

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Provides: prof. MUDr. Darina Kluchová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MUDr. Ingrid Hodorová, PhD., doc. MVDr. Jozef Mihalik, CSc., doc. MVDr. Květuše Lovásová, PhD.,
### COURSE INFORMATION LETTER

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#### Course type, scope and the method:
- **Course type:** Lecture / Practice / Controlled study hour
- **Recommended course-load (hours):**
  - **Per week:** 3 / 3 / 2
  - **Per study period:** 42 / 42 / 28
- **Course method:** present

#### Number of credits: 9

#### Recommended semester/trimester of the course: 3.

#### Course level: I.II.

#### Prerequisites: UA/A-GM2/14 and UA/A-GM1/14

#### Conditions for course completion:
Written test (40%), practical tests (30%) and bonus points (30%). Student has to reach minimum 60 points to be allowed attend oral exam.

#### Learning outcomes:
The aim of this subject is to explain the detail anatomy of the head and neck. Students obtain information of skull, skull cavities, cervical vertebrae and their connections. Knowledge of muscles, blood supply, venous and lymphatic drainage of head and neck are substantial as well. Explanation of innervations of head and neck is performed in connexion with study of CNS, its inner and outer organizing and functions of particular structures of CNS.

#### Brief outline of the course:
- Central nervous system, spinal cord, brain stem, cerebellum, diencephalon, basal ganglia and their connections. Telencephalon - function of brain cortex, limbic system, nerve tracts.

#### Recommended literature:
- Kluchová D.: Neuroanatomy - handouts from the lectures, Košice, 2013

#### Course language:

### Notes:
Course assessment

Total number of assessed students: 1367

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Provides: prof. MUDr. Darina Kluchová, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MVDr. Květuše Lovásová, PhD., doc. MUDr. Adriana Boleková, PhD., doc. MVDr. Jozef Mihalik, CSc., MUDr. Janka Vecanová, PhD., doc. MUDr. Ingrid Hodorová, PhD., MUDr. Dalibor Kolesár, PhD., MUDr. Stanislav Matéffy, RNDr. Lenka Ihnátová, PhD., RNDr. Martin Bona, PhD.

Date of last modification: 11.02.2016

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: UA/AD-GM1/14  
Course name: Anatomy Dissection 1

Course type, scope and the method:
Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 0 / 2  
Per study period: 0 / 28

Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisites: UA/A-GM3/14

Conditions for course completion:
Student has to prepare at least two anatomical specimens and to present it to teacher and younger students. Credits will not be awarded to a student who misses more than 6 hours of seminars and will not complete his work on specimens.

Learning outcomes:
Students have the opportunity to deepen their knowledge of anatomy by performing anatomical dissection under the supervision of the teacher and preparing material for teaching medical students in the lower grades of medical school. Students improve their practical skill to work with tweezers and a scalpel, which will be helpful to them in their own medical practice.

Brief outline of the course:
Dissection of subcutaneous structures on the palmar and dorsal side of upper limb, dissection of axillary fossa, dissection of subfascial layer in anterior region of arm and forearm, cubital fossa, anterior region of wrist, palm of hand, scapular region, posterior region of arm and forearm, posterior region of wrist and dorsum of hand.

Recommended literature:
Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011

Course language:
english

Notes:
Total number of assessed students: 18

Course assessment
Total number of assessed students: 49

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Provides: MUDr. Stanislav Matěffy, MUDr. Janka Vecanová, PhD.

Date of last modification: 11.02.2016
Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

**Course ID:** UA/AD-GM2/14  
**Course name:** Anatomy Dissection 2

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 0 / 2  
**Per study period:** 0 / 28  
**Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I.II.

**Prerequisites:** UA/A-GM3/14

**Conditions for course completion:**  
During semester, students help to teacher with prosection of the thorax and abdomen. Results of the prosection are demonstrated to the other students. Credits will not be awarded to a student who misses more than 6 hours of practical exercises.

**Learning outcomes:**  
Anatomical dissection is carried out under the supervision of teacher. Students prepare cadaveric material for teaching of medical students. Students improve their knowledge of anatomy of the trunk and abdomen. Participants can develop manual dexterity skills

**Brief outline of the course:**  
Dissection of subcutaneous structures of the anterior chest wall, dissection of intercostal spaces, opening of thoracic cavity, dissection of upper mediastinum, taking off lungs, heart and pericardium, dissection of arteries and veins of heart, dissection of hert chambers, dissection of posterior mediastinum. Dissection of subcutaneous structures of abdominal wall, abdominal muscles, inguinal canal, opening of abdomen, dissection branches of abdominal aorta.

**Recommended literature:**  
Rohen, Yokochi: Color Atlas of Anatomy, Lippincott Williams & Wilkins, 2011  

**Course language:**  
English

**Notes:**  
The subject is provided only in the summer semester, capacity of the subject is limited to 10 students, in case of higher interest students will be selected.

**Course assessment**  
Total number of assessed students: 37

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**Provides:** doc. MUDr. Adriana Boleková, PhD., doc. MUDr. Ingrid Hodorová, PhD., prof. MUDr. Darina Kluchová, PhD., MUDr. Dalibor Kolesár, PhD., doc. MVDr. Květuše Lovásová, PhD., MUDr. Stanislav Matěffy, doc. MVDr. Jozef Mihalik, CSc., prof. MVDr. Silvia Rybárová, PhD., MUDr. Janka Vecanová, PhD.

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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| Recommended semester/trimester of the course: | 4. |
|------------------------------------------------|

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<tr>
<th>Conditions for course completion:</th>
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<thead>
<tr>
<th>Learning outcomes:</th>
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<tr>
<th>Brief outline of the course:</th>
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<th>Date of last modification:</th>
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| Approved: | prof. MUDr. Daniel Pella, PhD. |
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ULBL/B-GM1/09  
**Course name:** Biology 1  

### Course type, scope and the method:  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 2 / 2  
Per study period: 28 / 28  
**Course method:** present

### Number of credits: 4  
**Recommended semester/trimester of the course:** 1.  
**Course level:** I.II.  

### Prerequisities:  

### Conditions for course completion:  
Active presence in all practical lessons (100%)  
Minimum of 120 points each of two written tests (0 – 200 points)  

### Learning outcomes:  
To introduce the basic concepts of cell biology and molecular biology, including cell structure, biomacromolecules, cell cycle, cell reproduction, gene expression and cell communications. To give students a thorough grounding in the theoretical and practical foundations of molecular biology and cytology. Students have acquired an understanding of the major concepts in cell and molecular biology and have obtained basic information related to cytogenetics in clinical practice.  

### Brief outline of the course:  

### Recommended literature:  
Židzik, J. et al.: Medical Biology and Genetics, UPJŠ, Košice, 2009  

### Course language:  

### Notes:  

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Course assessment
Total number of assessed students: 1808

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Provides: prof. RNDr. Ján Šalagovič, PhD., RNDr. Helena Mičková, PhD., RNDr. Eva Slabá, PhD., RNDr. Jozef Židzik, PhD., RNDr. Viera Habalová, PhD., RNDr. Lucia Klimčáková, PhD.

Date of last modification: 07.10.2016

Approved: prof. MUDr. Daniel Pella, PhD.
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<td><strong>Conditions for course completion:</strong></td>
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<td>All practical lessons (100%) are obligatory for all students. Assessment of the student’s learning achievements is carried out as a combination of continuous monitoring of the study during the teaching part of the semester (40%) with the oral examination for the period of the semester concerned (60%). Prerequisite for the oral examination (to register for the oral examination) is the acquirement of 20 points minimum from continuous assessment during the semester.</td>
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<tr>
<td><strong>Learning outcomes:</strong></td>
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<tr>
<td>To introduce the basic concepts of general biology and human genetics, including mutations and their role in pathogenesis in human diseases, Mendelian genetics, quantitative and population genetics. To give students a thorough grounding in the theoretical and practical foundations of basic genetics. Students have acquired an understanding of the major concepts in human and molecular genetics and have obtained basic information related to genetic and molecular biology methods in clinical practice.</td>
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<tr>
<td><strong>Brief outline of the course:</strong></td>
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<td><strong>Recommended literature:</strong></td>
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<td>Židzik, J. et al.: Medical Biology and Genetics, UPJŠ, Košice, 2009</td>
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Course assessment
Total number of assessed students: 1509

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Provides: prof. RNDr. Ján Šalagovič, PhD., RNDr. Eva Slabá, PhD., RNDr. Helena Mičková, PhD., RNDr. Lucia Klimčáková, PhD., RNDr. Jozef Židzik, PhD., RNDr. Viera Habalová, PhD.

Date of last modification: 11.02.2016

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ULCHBKB/BCHMG/GM/14
Course name: Bioorganic Chemistry in Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 Per study period: 14 / 14
Course method: present

Number of credits: 2
Recommended semester/trimester of the course: 2.
Course level: I.II.

Prerequisites:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 122

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Provides: prof. Ing. Mária Mareková, CSc., doc. RNDr. Vladimíra Tomečková, PhD.

Date of last modification: 03.05.2015

Approved: prof. MUDr. Daniel Pella, PhD.
# COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ULI/B-GM/09  
**Course name:** Biostatistics

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<th>Course type, scope and the method:</th>
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| **Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 0 / 2  
Per study period: 0 / 28  
**Course method:** present |

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<th>Recommended semester/trimester of the course: 4., 6., 8., 10.</th>
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<th>Conditions for course completion:</th>
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| 1. 100% and active attendance.  
2. Min. 60% from each test during the term.  
3. Elaboration of all given classworks. |

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<tr>
<th>Learning outcomes:</th>
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<tr>
<th>Brief outline of the course:</th>
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<th>Recommended literature:</th>
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3. Notes from exercises. |

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<tr>
<th>Provides: doc. Ing. Jaroslav Majerník, PhD.</th>
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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: KVL Šaca/GM-GM/15
Course name: Clerkship - General Medicine

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: Per study period: 40s
Course method: present

Number of credits: 1

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisites: KVL Šaca/GM-GM/15

Conditions for course completion:
Completion of General medicine course

Learning outcomes:
Familiarize students with the operation, organization and administration outpatient facility of general practitioner. Teach students practical knowledge and skills in examination and treatment of patients at clinic of general practitioner. Control the ethical-legal principles of healthcare provision. Demonstrate the ability to communicate effectively with patients at the clinic. Handle keeping the medical records in written and electronic form. The student should learn to apply the examination and treatment procedures on medicine based on evidence and correct clinical practice. The student should be competent to execute detailed withdrawal of medical history, handle physical examination, make a diagnosis and consider differential diagnosis options. Followed by the treatment (by the nature of diagnosis definitive, primary, acute in situations that require follow-up diagnosis and treatment in specialized facilities ambulatory or hospital type).

Brief outline of the course:
Students will fully participate in work at the clinic under the guidance of the teacher and after acquiring the theoretical knowledge of general medicine they should master the following processes:
1. Preventive care, particularly in terms of periodic medical examinations which consider all factors that affect the health of the patient (age, living and working conditions, eating habits, etc.)
2. Diagnostic and therapeutic care in patient affected by acute or chronic diseases
3. Available diagnostic methods – in hematology, biochemistry, microbiology and manage different sampling of biological material in relation with particular disease
4. Assessment of the health status and subsequent management either in his discretion or request for a consultation or hospitalization
5. Assessment activity – especially with regards to medical ability to carried out work and generally in relation to sickness absence in each category (defined by working Health Service)
6. Contact with professional and social institutions with which the practitioner for adults necessarily cooperates (eg. Public health, ADOS, Health insurance companies, Health Unions)
7. Technically master application of different types of medication (especially subcutaneous, intramuscular, intravenous)
8. Manage all acute conditions (e.g. cardiovascular, anaphylactic, psychiatric, basics of CPR)
9. Keep the recorder during the clerkship

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 430

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**Provides:** prof. MUDr. PhDr. Peter Kalanin, PhD., MUDr. Beatrica Kőváryová, MUDr. Matej Šajty, PhD., MUDr. János Icsó, CSc.

**Date of last modification:** 21.10.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
<table>
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<tr>
<th>Course ID: G-PK/CGO-GM/16</th>
<th>Course name: Clerkship - Gynaecology and Obstetrics</th>
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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 80s
  - Per study period: 80s
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 10.

**Course level:** I.II.

**Prerequisities:** G-PK/GO-GM2/09

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** prof. MUDr. Alexander Ostró, CSc., MBA, doc. MUDr. Peter Urdzík, PhD., MPH, doc. MUDr. Róbert Dankovčík, PhD., MPH, mim. prof., MUDr. Milan Matta, MUDr. Božena Fialová, doc. MUDr. Vladimir Kraus, CSc., MUDr. Peter Suchánek, PhD.

**Date of last modification:** 08.03.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

| Course ID: IK/ CIM-GM/16 | Course name: Clerkship - Internal Medicine |

Course type, scope and the method:
Course type: Practice

Recommended course-load (hours):
Per week: Per study period: 120s

Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: IK/IM-GM1/16

Conditions for course completion:
1. Appreciation of the knowledges during classes by the teacher

Learning outcomes:

Brief outline of the course:
All medical students are required to undertake the clinical internship in the hospital wards under the supervision of the clinical tutor or other clinician who is responsible for the internship. The students make the ward rounds daily, they make daily medical notes, write case histories of newly admitted patients, read and assess X-rays, ECGs and other laboratory findings with their supervisor and at the same time they acquaint themselves with other medical records and work in the hospital ward. Practical clinical work (under tutorial guidance and support) includes taking various biological samples for laboratory testing, administration of subcutaneous, intramuscular, intravenous injections and transfusions. The students take responsible part in therapeutic procedures and physical examinations such as pleural, abdominal and sternal puncture in monitored patients (or in other cases interesting from the diagnostic view), USG, X-ray, ECG, bicycle ergometry, pulmonary function examination, endoscopy, and autopsy in the case of death.

According to hospital possibilities the clinical internship requires 1-2 days of laboratory work to perform in order to become familiar with available basic diagnostic techniques such as doing urine tests, blood counts and blood smears. In more common internal diseases sternal biopsies are demonstrated to students.

According to hospital possibilities, the students are required to become familiar with the work of Central Admission Department, Intensive Care Unit, Dialysis Unit and Anaesthesiology and Resuscitation Department.

The students are required to take part in seminars. If it is possible they are supposed to perform night duties with qualified medical staff at least twice during their internship course.

The students are required to write an internship diary with the records of all the performed procedures during their internship. The diary will be regularly checked by the clinical tutor at the end of each week.

Recommended literature:

Course language:
### Course assessment

Total number of assessed students: 540

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**Provides:** doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Viola Mechírová, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Jozef Pella, PhD., doc. MUDr. Lubomír Legáth, CSc., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Ivana Valočiková, PhD., MUDr. Peter Horváth, MUDr. Karim Benhatchi, PhD., MUDr. Jana Depeťová, PhD., MUDr. Ján Pobéha, MUDr. Ivan Majerčák, MUDr. Martin Janičko, PhD., MUDr. Andrea Galovičová, PhD., MUDr. Anna Dobrovičová, PhD., MUDr. Miriam Kozárová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Pavol Joppa, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Martin Javorský, PhD., MUDr. Marek Varga, PhD., MUDr. Júlia Abu Zaid, MUDr. Lucia Jedličková, PhD., MUDr. Michaele Záriková, MUDr. Lucia Štovková, PhD., MUDr. Matej Šajty, PhD., MUDr. Lucia Merkovská, PhD., MUDr. Mgr. Ivana Jochmanová, MUDr. Jana Figurová, PhD., MUDr. Gabriela Peková, PhD., MUDr. Štefan Sotak, PhD. MBA, Katarína Spišáková

**Date of last modification:** 07.03.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ChK/CS-GM/16  
**Course name:** Clerkship - Surgery  

**Course type, scope and the method:**  
**Course type:** Practice  
**Recommended course-load (hours):**  
Per week: 80s  
Per study period: 80s  
**Course method:** present  

**Number of credits:** 2  
**Recommended semester/trimester of the course:** 10.  
**Course level:** I.II.  
**Prerequisites:** ChK/S-GM3/16  
**Conditions for course completion:**  
**Learning outcomes:**  
**Brief outline of the course:**  
**Recommended literature:**  
**Course language:**  

**Notes:**  
**Course assessment**  
Total number of assessed students: 387  

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**Provides:** doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňák, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Miroslav Janík, CSc., doc. MUDr. Jana Kaťuchová, PhD., MUDr. Natália Šimková, MUDr. Lubomír Lachváč, PhD., MUDr. Marek Vargovčák, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudlác, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., MUDr. Peter Cibur, PhD., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Stanislava Imrichová, PhD., MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD.  
**Date of last modification:**  
**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

<table>
<thead>
<tr>
<th>Course ID: ULCHBKB/CB-GM/16</th>
<th>Course name: Clinical Biochemistry</th>
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Course type, scope and the method:
- Course type: Lecture / Practice
- Recommended course-load (hours):
  Per week: 2 / 2
  Per study period: 28 / 28
- Course method: present

Number of credits: 1

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisites: ULCHBKB/MBCH-GM2/14 and UPF/PP-GM2/16

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 516

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Provides: MUDr. Eva Ďurovcová, PhD.

Date of last modification: 08.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  

**Faculty:** Faculty of Medicine  

<table>
<thead>
<tr>
<th><strong>Course ID:</strong> ULBF/CB-GM/09</th>
<th><strong>Course name:</strong> Clinical Biophysics</th>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice  
- **Recommended course-load (hours):**  
  - Per week: 0 / 1  
  - Per study period: 0 / 14  
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisities:** ULBF/MBF-GM/09

**Conditions for course completion:**
Presence at practical lessons, student may have maximum three absences. Compensations are obligatory. Final exam – at least 60% form writing test.

**Learning outcomes:**
Clinical biophysics comprises the scientific and technological basis of clinical techniques and procedures that are based on physics. Most direct diagnostic tests and many of the therapeutic procedures use the effects of physical forces, ionizing and non-ionizing radiation on human body. Clinical biophysics implies that an understanding of the function, as well as an appreciation of the scope and limitations of the equipment used in diagnosis or therapy, are absolutely necessary for good medical practice.

**Brief outline of the course:**
- Lasers in medicine, Physical basics of lasers, types of lasers used in medicine, safety aspects of the use lasers, Clinical application of lasers in ophthalmology, diabetic retinopathy - panretinal photocoagulation, glaucoma – iridotomy, capsulotomy, correction of refractive properties of the eye, laser surgery observation,  
- Physiotherapy in rehabilitation, Physical and biophysical basics of galvanic current, diathermy and diadynamic current, magnetotherapy and ultrasound in physiotherapy of vertebral diseases, Observation of practical application of physiotherapy,  
- Audiometry - The physical nature of sound, simple harmonic motion, interference of sound waves, Structure and physiology of middle ear and inner ear, tonal, threshold and speech audiometry, examination of recruitment phenomenon, thympanometry and the examination of stirrup reflex, examination of evoked potentials of cerebral areas, Observation of diagnostics and therapy of patients,  
- Nuclear magnetic resonance tomography, Physical basics of nuclear magnetic resonance, magnetic properties of nuclei, larmor equation, resonance and relaxation, relaxation times, Basic principles of imaging, spatial encoding of signal, possible hazards of NMR imaging, Clinical application of magnetic resonance (MR), equipment in local hospital, modelling of the examination of patient, images of tissues with disorders, advantages and disadvantages MR compared to CT, Observation of the examination of patient.

**Recommended literature:**
Clinical biophysics, M. Anbar, R.A.Spangler, P. Scott, Warren H. Green, Inc., St. Louis, 1985
An Introduction to biophysics with medical orientation, edited by G.Rontó, I.Tarján, Akadémiai Kiadó, Budapest, 1991

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 0

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**Provides:** RNDr. Imrich Géci, PhD.

**Date of last modification:** 14.10.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<tr>
<td>Course ID:</td>
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<tr>
<td>Course name:</td>
<td>Clinical Immunology</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** ULM/FI-GM/09 and UPF/PP-GM2/16

**Conditions for course completion:**
- individual work
- exam

**Learning outcomes:**
The most common immune-mediated diseases, interpretation of immunological laboratory investigations, foundations of immunomodulatory therapy.

**Brief outline of the course:**
Beginning with the basic concepts: development of immune system, allergy and anaphylaxis, immunodeficiency, autoimmunity.
Deals with indications, contraindications and side effects of immunomodulatory therapy.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 13

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**Provides:** doc. MUDr. Veronika Vargová, PhD.
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# COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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<tr>
<th>Course ID: UFZ/CPSM-GM/09</th>
<th>Course name: Clinical Physiology - Sleep Medicine</th>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice  
- **Recommended course-load (hours):**  
  - Per week: 0 / 1  
  - Per study period: 0 / 14  
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** UFZ/Ph-GM2/14 and UPF/PP-GM2/16

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 31

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**Provides:** prof. MUDr. Zoltán Tomori, DrSc., prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. MUDr. Roman Beňačka, CSc., mim.prof.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.
4. Final exam.

**Learning outcomes:**
This subject should provide an understanding of the basic principles that underlie research design, data analysis and interpretation of results and enable the students to carry out a wide range of statistical analyses.

**Brief outline of the course:**

**Recommended literature:**
3. Notes from exercises.

**Course language:**
english
## Course assessment
Total number of assessed students: 84

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**Provides:** doc. Ing. Jaroslav Majerník, PhD.

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course ID:</strong></td>
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<td><strong>Course name:</strong></td>
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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 6., 8., 10.

**Course level:** I.II.

**Prerequisites:** Dek. LF UPJŠ/SL-DM4/15 or Dek. LF UPJŠ/SL-GM4/15

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- **Total number of assessed students:** 0

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**Provides:** PhDr. Helena Petruňová, CSc.

**Date of last modification:** 01.02.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: SK/Ds-GM/12  Course name: Dentistry

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1 Per study period: 14 / 14
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisites: UP/PA-GM1/14 and UPF/PP-GM1/16 and ULM/MB-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 658

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Provides: MUDr. Mgr. Peter Kizek, PhD., MDDr. Marcel Riznič, PhD., MUDr. Eva Janitorová, PhD., MUDr. Andrej Jenča, PhD., Mgr. MUDr. Vladimíra Schwartzová, PhD., MDDr. Jozef Jendruch, MDDr. Juraj Bánovčin, MDDr. Petra Bejdová, MDDr. Anna Mihaľová, MDDr. Milan Kotráň

Date of last modification:

Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<td>Course ID:</td>
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<td>Course name:</td>
<td>Dermatovenerology 1</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 1

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:** ULM/MB-GM1/09

**Conditions for course completion:**
- tests
- medical examination of a patient, credit

**Learning outcomes:**
The students have a thorough grounding in internal medicine, enabling insight into the interactions between the skin and other systems of the body, and a detailed understanding of the structure and function of the skin. Main aim of dermatovenerology is initiated in histology, histopathology of the skin, essential skin biology, functions of the skin, and skin lesions. The students have to be certain of history taking, describing the skin manifestations, investigation and patch testing for occupational and non-occupational contact allergic dermatoses. The students have to be skilled in microscopy investigations. They must have knowledge of immunohistology of autoimmune diseases, determination of skin tumors, new non-invasive treatment methods. The students will be familiar with the epidemiology of sexually transmitted diseases, their clinical manifestations, modes of transmission, and their appropriate treatment.

**Brief outline of the course:**

**Recommended literature:**
- Braun-Falco, Plewig, Wolff, Winkelmann: Dermatology. Springer - Verlag, Berlin
- Dermatology - Wolfram Sterry, Ralf Paus, Walter Burgdorf; with contributions by Heike Audring . . . [et al.], 2010.
Table 1. Total number of assessed students: 748

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**Provides:** MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Zuzana Hrabovská, MUDr. Vladimíra Nagyová, MUDr. Gabriela Takáčová

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |

| Course ID: KD/D-GM2/09 | Course name: Dermatovenerology 2 |

| Course type, scope and the method: |
| Course type: | Lecture / Practice |

| Recommended course-load (hours): |
| Per week: | 1 / 2 |
| Per study period: | 14 / 28 |

| Course method: | present |

| Number of credits: | 3 |

| Recommended semester/trimester of the course: | 8. |

| Course level: | I.II. |

| Prerequisites: | KD/D-GM1/09 and UP/PA-GM1/14 and UPF/PP-GM1/16 |

| Conditions for course completion: |
| tests |
| medical examination of a patient, credit |

| Learning outcomes: |
| The students have a thorough grounding in internal medicine, enabling insight into the interactions between the skin and other systems of the body, and a detailed understanding of the structure and function of the skin. Main aim of dermatovenerology is initiated in histology, histopathology of the skin, essential skin biology, functions of the skin, and skin lesions. The students have to be certain of history taking, describing the skin manifestations, investigation and patch testing for occupational and non-occupational contact allergic dermatoses. The students have to be skilled in microscopy investigations. They must have knowledge of immunohistology of autoimmune diseases, determination of skin tumors, new non-invasive treatment methods. The students will be familiar with the epidemiology of sexually transmitted diseases, their clinical manifestations, modes of transmission, and their appropriate treatment. |

| Brief outline of the course: |

<p>| Recommended literature: |</p>
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### Course assessment
Total number of assessed students: 541

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**Provides:** MUDr. Zuzana Baranová, PhD., MUDr. Janette Baloghová, PhD., MUDr. Zuzana Hrabovská, MUDr. Vladimíra Nagyová, MUDr. Gabriela Takáčová

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
# COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | Dek. LF UPJŠ/DTD-GM/15 | Course name: Diploma Thesis and Diploma Thesis Defence |

## Course type, scope and the method:
- **Course type:**  
- **Recommended course-load (hours):**  
  - Per week:  
  - Per study period:  
- **Course method:** present

## Number of credits: 8

## Recommended semester/trimester of the course: 11., 12..

## Course level: I.II.

## Prerequisites:  
Dek. LF UPJŠ/SDT-GM1/09 and Dek. LF UPJŠ/SDT-GM2/12 and Dek. LF UPJŠ/SDT-GM3/12 and Dek. LF UPJŠ/SDT-GM4/12

## Conditions for course completion:

## Learning outcomes:

## Brief outline of the course:

## Recommended literature:

## Course language:

## Notes:

## Course assessment

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## Provides:

## Date of last modification:

## Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  

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<th>Course ID: IK/ DTP-GM/16</th>
<th><strong>Course name:</strong> Donation and Transplantation Programme</th>
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**Course type, scope and the method:**  
Course type: Lecture / Practice  
Recommended course-load (hours):  
Per week: 2 / 0 Per study period: 28 / 0  
Course method: present

**Number of credits:** 2  
**Recommended semester/trimester of the course:** 10.  
**Course level:** I.II.  
**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 0

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**Provides:**

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  

**Faculty:** Faculty of Medicine  

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<th><strong>Course ID:</strong> UE/E-GM/16</th>
<th><strong>Course name:</strong> Epidemiology</th>
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**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 1 / 2  
Per study period: 14 / 28  
**Course method:** present  

**Number of credits:** 3  

**Recommended semester/trimester of the course:** 8.  

**Course level:** I.II.  

**Prerequisities:** ULM/MB-GM2/14 and UPF/PP-GM1/16  

**Conditions for course completion:**  
Attendance on lectures, active participation and discussion.  
Seminar – seminars work on chosen topic with presentation.  
Written test.  

**Learning outcomes:**  
Student of the subject will receive the basic knowledge about occurrence and distribution of infectious diseases and chronic diseases with outbreaks in a population, about fundamental factors influencing their occurrence, about preventive and repressive measures against their spread and to improve the health status of the population.  

**Brief outline of the course:**  
Epidemiology - characteristics, goals. Basic epidemiological methods, causality.  
Sources of infection – forms, characteristics, scope and epidemiological measures. Transmission of infectious diseases. Phases of transmission, particular ways of transmission.  

**Recommended literature:**  
Epidemiology and Prevention of Vaccine-Preventable Diseases. 12th Edition. CDC: Atlanta, 2011  
Glossary of Epidemiology Terms. CDC: Atlanta, 2012  

**Course language:** english  

**Notes:**
### Course assessment

Total number of assessed students: 1089

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**Provides:** doc. MVDr. Monika Halánová, PhD., mim. prof., MUDr. Ingrid Babinská, PhD., MPH, Mgr. Lenka Čechová

**Date of last modification:** 17.05.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

<table>
<thead>
<tr>
<th>Course ID: ULI/MZND-GM/12</th>
<th>Course name: Evidence Based Medicine</th>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 6., 8., 10.

**Course level:** I.II.

**Prerequisites:** ULI/MInf-GM/09

**Conditions for course completion:**
1. 100% and active attendance.
2. Min. 60% from each test during the term.
3. Elaboration of all given classworks.

**Learning outcomes:**
Understand basic principles of Evidence based Medicine (EBM). The students will get skills to obtain information about clinical scientific outputs; they will know how to critically evaluate clinical information as well as they will know to present benefits for clinical praxis. Basics of scientific work related to the medicine will be also explained.

**Brief outline of the course:**
The history, the development and the recent state on Evidence Based Medicine. Characteristics of clinical trials. Formulation of clinical questions. Specialized information resources for evidence based medicine. Methodology of clinical information searching. Qualitative evaluation of clinical studies and reviews. Presentation of practical works.

**Recommended literature:**
3. Notes from exercises.

**Course language:**
english

**Notes:**

**Course assessment**
Total number of assessed students: 43

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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: 1. KAIM/FAID-GM/09
Course name: First Aid

Course type, scope and the method:
- Course type: Lecture / Practice
- Recommended course-load (hours):
  - Per week: 1 / 1
  - Per study period: 14 / 14
- Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 1.

Course level: I.II.

Prerequisites:

Conditions for course completion:
1. Pass all exercises - 100% participation in exercises
2. Test - min. 75% criteria

Learning outcomes:
Practical education in cardiopulmonary resuscitation, care of the bleeding victim, burns care, covering and immobilization of injury of the skeleton.

Brief outline of the course:

Recommended literature:
   www.erc.com

Course language:
English

Notes:

Course assessment
Total number of assessed students: 1816

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Provides: MUDr. Judita Capková, PhD., MUDr. Monika Grochová, PhD., MUDr. Vladimír Hudák, MUDr. Štefan Ivanecký, doc. MUDr. Radoslav Morochovič, PhD., MUDr. Štefan Trenkler, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Jozef Belák, PhD., prof. MUDr. Juraj Bober, CSc.,
MUDr. Peter Cibur, PhD., prof. MUDr. Mária Frankovičová, PhD., doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., MUDr. Pavol Harbuľák, MUDr. Stanislava Imrichová, PhD., doc. MUDr. Miroslav Janík, CSc., doc. MUDr. Jana Kaťuchová, PhD., prof. MUDr. Miroslav Kitka, PhD., MUDr. Marián Kudláč, doc. MUDr. Igor Kundrať, CSc., MUDr. Lubomír Lachváč, PhD., MUDr. Marek Lacko, PhD., prof. MUDr. Vincent Nagy, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, MUDr. Milan Stebnický, PhD., prof. MUDr. Július Vajó, DrSc., prof. MUDr. Ladislav Valanský, PhD., MUDr. Marek Vargovčák, doc. MUDr. Michal Vaňko, PhD., doc. MUDr. Gabriel Vaško, CSc., MUDr. Jozef Voltér, MUDr. Andrej Vrzgula, PhD., doc. MUDr. Jozef Výrostko, CSc., MUDr. Marianna Zábavníková, PhD., MUDr. Natália Šimková, MUDr. Róbert Šimon, PhD., MPH, MUDr. Milan Šudák, PhD., prof. MUDr. Igor Šulla, DrSc., MUDr. Matúš Maruniak

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<tr>
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<td>Forensic Criminalistics</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 8., 10.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 0

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**Provides:** MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USL/FMML-GM/16
Course name: Forensic Medicine and Medicine Law

Course type, scope and the method:

Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 1 / 2 Per study period: 14 / 28

Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisites: UA/A-GM3/14 and UP/PA-GM2/16 and UPF/PP-GM2/16

Conditions for course completion:

Learning outcomes:
The subject is aimed to the application of medical knowledge for the investigation and evaluation of different types of violence onto the human organism, for finding and documentation of causes and circumstances in sudden, non-expected deaths and fatal cases related to diagnostic and medical care treatment, for the solution of facts and proofs for the legal analysis in consideration of national specific legislation.

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 398

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Provides: MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Dorota Sopková

Date of last modification: 08.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

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**COURSE INFORMATION LETTER**

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| **Course ID:** UVZH/FHRA-GM/15 | **Course name:** Fundamentals of Health Risk Assessment |

**Course type, scope and the method:**

- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 2 / 0
  - Per study period: 28 / 0
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 13

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**Provides:** doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.

**Date of last modification:** 11.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: ULM/ FI-GM/09  Course name: Fundamentals of Immunology

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 Per study period: 28 / 28
Course method: present

Number of credits: 5
Recommended semester/trimester of the course: 4.
Course level: I.II.

Prerequisites:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1285

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Provides: RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., RNDr. Katarina Čurová, PhD., MVDr. Vladimír Hrabovský, PhD.

Date of last modification: 07.05.2015

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KVL Šaca/GM-GM/15  
Course name: General Medicine

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 2  
Per study period: 14 / 28
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisities: IK/IP-GM/15 and ChK/SP-GM/15

Conditions for course completion:
Lectures, Practice, Fellowships, completion of the course

Learning outcomes:

Brief outline of the course:
1. General medicine: definition, basic concepts
2. Work of general practitioner: medical and non-medical
3. Diagnosis and treatment: symptoms, syndrome, diagnosis, differential diagnosis, therapy
4. Work particularities of general practitioner: preventive exam, vaccination,prehospital care, medical service of first aid, visits, occupational health services, sickness absence
5. Acute conditions
6. The principles of communication with different groups
8. eHealth

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 515

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Provides: prof. MUDr. PhDr. Peter Kalanin, PhD., MUDr. János Icsó, CSc., MUDr. Beatrica Köváryová, MUDr. Peter Pavlov, MUDr. Matej Šajty, PhD.
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**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** KGO/GE-GM/09  
**Course name:** Geriatrics

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 0 / 1  
Per study period: 0 / 14  
**Course method:** present

**Number of credits:** 2  
**Recommended semester/trimester of the course:** 9.  
**Course level:** I.II.  
**Prerequisites:** IK/IM-GM1/16 and 1. PK/PMC-GM/16  
**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 19

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**Provides:** doc. MUDr. Marián Sninčák, CSc., mim.prof.  
**Date of last modification:** 08.09.2015  
**Approved:** prof. MUDr. Daniel Pella, PhD.
**Course Information Letter**

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

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<th>Course ID: G-PK/GO-SS-GM/15</th>
<th>Course name: Gynaecology and Obstetrics</th>
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**Course type, scope and the method:**
- **Course type:**
- **Recommended course-load (hours):**
  - **Per week:**
  - **Per study period:**
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 11., 12..

**Course level:** I.II.

**Prerequisites:** G-PK/GO-GM3/16

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- **Total number of assessed students:** 334

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**Provides:**

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
**Course Information Letter**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** G-PK/GO-GM1/09

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**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 2 / 2  
**Per study period:** 28 / 28  
**Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** IK/IM-GM3/16

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 516

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**Provides:** doc. MUDr. Peter Urdzik, PhD., MPH, doc. MUDr. Robert Dankovčík, PhD., MPH, mim. prof., MUDr. Milan Matta, MUDr. Peter Suchánek, PhD., MUDr. Ján Varga, PhD., MUDr. Viera Dudičová, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
### COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** G-PK/GO-GM2/09  
**Course name:** Gynaecology and Obstetrics 2

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| **Course method:** present |

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| Recommended semester/trimester of the course: | 10. |

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<td>Learning outcomes: Getting to know with the principal investigative and therapeutic procedures in obstetrics</td>
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<th>Brief outline of the course:</th>
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<tbody>
<tr>
<td>Brief outline of the course: Investigative methods in obstetrics, character physiological and pathological pregnancy, physiological and pathological delivery,</td>
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<table>
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<tr>
<th>Recommended literature:</th>
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| Chamberlain G., et al., Illustrated textbook of obstetrics, 1991  
| Gabbe S. G., et al., Obstetrics, 1996  
| Novak’s and Berek J., et al., Gynaecology, 1996 |

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| Course assessment  
Total number of assessed students: 401 |

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<tr>
<td>MUDr. Viera Dudičová, PhD., MUDr. Milan Matta, MUDr. Peter Suchánek, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA, doc. MUDr. Peter Urdzik, PhD., MPH, MUDr. Ján Varga, PhD., MUDr. Erik Dosedla, doc. MUDr. Vladimir Kraus, CSc., prof. MUDr. Štefan Lukačín, CSc., MUDr. Ján Richnavský, PhD.</td>
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| Date of last modification: | 12.02.2016 |

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<td>prof. MUDr. Daniel Pella, PhD.</td>
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Page: 61
### COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** G-PK/GO-GM3/16  
**Course name:** Gynaecology and Obstetrics 3

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| Number of credits: | 9 |

| Recommended semester/trimester of the course: | 11., 12. |

| Course level: | I.II. |

| Prerequisites: | G-PK/GO-GM2/09 |

| Conditions for course completion: | 100 % participation in exercises confirmed in scrapbook |

| Learning outcomes: | Learning outcomes: Getting to know with the operative procedures in gynaecology and obstetrics, to improve knowledges from block I. and II. |

| Brief outline of the course: | Brief outline of the course: Basic operative procedures in gynaecology and obstetrics, one-day surgery, invasive prenatal diagnostics (AMC), operative advances in mini-invasive surgery (HSK, LSK) |

| Recommended literature: | Obstetrics and gynecology  
Steven G. Gabbe  
Jeniffe R. Niebyl  
Joe Leih simpson  
2012 |

| Course language: | English language |

| Notes: |  |

| Course assessment | Total number of assessed students: 331 |

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| Provides: | doc. MUDr. Peter Urdzik, PhD., MPH, MUDr. Milan Matta, MUDr. Peter Suchánek, PhD., MUDr. Ján Varga, PhD., doc. MUDr. Silvia Toporcerová, PhD. MBA, MUDr. Viera Dudičová, PhD., doc. MUDr. Róbert Dankovčík, PhD., MPH, mim. prof., MUDr. Erik Dosedla, |
COURSE INFORMATION LETTER

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 50

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**Provides:**

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course name:</strong></td>
<td>Health Damage in Medical Practice</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 8., 10.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
### Course Information Letter

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UPZ/HP-GM/10  
**Course name:** Health Psychology  
**Course type, scope and the method:**  
- **Course type:** Lecture / Practice  
- **Recommended course-load (hours):**  
  - Per week: 1 / 1  
  - Per study period: 14 / 14  
- **Course method:** present  
**Number of credits:** 2  
**Recommended semester/trimester of the course:** 8.  
**Course level:** I.II.  
**Prerequisites:**  
**Conditions for course completion:**  
**Learning outcomes:**  
**Brief outline of the course:**  
**Recommended literature:**  
**Course language:**  
**Notes:**  

**Course assessment**  
Total number of assessed students: 82  
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**Date of last modification:** 03.05.2015  
**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<td><strong>Course name:</strong></td>
<td><strong>Histology and Embryology 1</strong></td>
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**Course type, scope and the method:**  
- **Course type:** Lecture / Practice / Controlled study hour  
- **Recommended course-load (hours):**  
  - **Per week:** 2 / 3 / 1  
  - **Per study period:** 28 / 42 / 14  
- **Course method:** present

**Number of credits:** 5

**Recommended semester/trimester of the course:** 2.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**  
- Colloquium I. with evaluation: A-E  
- Semestral test  
- Final evaluation A-E:  
  - 100 - 93 % A;  
  - 92 - 85 % B;  
  - 84 - 77 % C;  
  - 76 -69 % D;  
  - 68 - 60 % E;  

**Learning outcomes:**  
The student gains knowledge about the microscopic structure and function of the cells and tissues within living human organism. This serves as the base for studying pathology and pathophysiology. Cells and tissues are studied practically by the light microscope. Embryology I is concerned with basic principles of early human development.

**Brief outline of the course:**  
- Histologic technic; Cytology; Epithelial tissue; Connective tissue proper; Cartilage; Bone; Ossification; Muscle tissue; Nervous tissue; Cardiovascular system. Embryology - blastogenesis, early organogenesis.

**Recommended literature:**  
1. Basic histology (Junqueira, 2013)  
2. Functional histology (Adamkov, 2011)  
5. Before we are born (Moore, 2013)

**Course language:**  
English

**Notes:**

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Page: 67
## Course assessment

Total number of assessed students: 2646

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**Provides:** prof. MUDr. Eva Mechirová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Jarmila Veselá, CSc., RNDr. Marianna Danková, PhD., MVDr. Štefan Tóth, PhD., MVDr. Zuzana Jonecová, CSc., RNDr. Kristína Čurgali, PhD.

**Date of last modification:** 14.12.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  

**Faculty:** Faculty of Medicine  

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<tr>
<th><strong>Course ID:</strong> UHE/HE-GM2/13</th>
<th><strong>Course name:</strong> Histology and Embryology 2</th>
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**Course type, scope and the method:**  
- **Course type:** Lecture / Practice / Controlled study hour  
- **Recommended course-load (hours):**  
  - **Per week:** 2 / 4 / 1  
  - **Per study period:** 28 / 56 / 14  
- **Course method:** present

**Number of credits:** 8

**Recommended semester/trimester of the course:** 2.

**Course level:** I.II.

**Prerequisites:** UHE/HE-GM1/13

**Conditions for course completion:**  
- Practical examination with evaluation: A - E  
- Final exam with evaluation. A- E:  
  - 100 - 93 % A;  
  - 92 - 85 % B;  
  - 84 - 77 % C;  
  - 76 -69 % D;  
  - 68 - 60 % E;  

**Learning outcomes:**  
The student gains knowledge about the microscopic structure and function of the cells, tissues, organs and organ systems within living human organism. This serves as the base for studying pathology and pathophysiology. The microscopic structure of the organs are studied practically by the light microscope.  
Embryology II. is concerned with basic principles of early human development, organogenesis and malformations during prenatal development.

**Brief outline of the course:**  
Cardiovascular system, Lymphoid system, Digestive system, Respiratory system, Urinary system, Male and female reproductive systems, Endocrine and nervous system, Skin, Sense organs. Embryology II. - organogenesis.

**Recommended literature:**  
1. Basic histology (Junqueira, 2013)  
2. Functional histology (Adamkov, 2011)  
5. Before we are born (Moore, 2013)

**Course language:**  
English

**Notes:**
**Course assessment**
Total number of assessed students: 1507

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**Provides:** prof. MUDr. Eva Mechírová, CSc., doc. MVDr. Iveta Domoráková, PhD., doc. MVDr. Jarmila Veselá, CSc., RNDr. Marianna Danková, PhD., MVDr. Štefan Tóth, PhD., MVDr. Zuzana Jonecová, CSc., Mgr. Kristína Gregová, PhD., RNDr. Kristína Čurgali, PhD.

**Date of last modification:** 14.12.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University**: P. J. Šafárik University in Košice  
**Faculty**: Faculty of Medicine  
**Course ID**: ULI/HIS-GM/09  
**Course name**: Hospital Information System

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| Per week: 0 / 1  
Per study period: 0 / 14 |
| **Course method**: present |

**Number of credits**: 2  
**Recommended semester/trimester of the course**: 5.  
**Course level**: I.II.

**Prerequisites:**

**Conditions for course completion:**  
1. 100% and active attendance.  
2. Min. 60% from each test during the term.  
3. Elaboration of all given classworks.  
4. Final exam.

**Learning outcomes:**  
The main aim is to manage work with the real hospital information system. Students should understand principles of electronic health records, to know how to organize patients administration using individual modules of information system and to understand flow of information across the hospital departments and clinics.

**Brief outline of the course:**  
Basics of hospital information systems. Parts of complex HIS (modules), access rights, interface description. Communication between users of HIS. Central register, Central card. Module of Outpatient clinic, creation of new outpatient clinic card, entry examination, anamnesis, emergency data set, score schemes, examination requests and orders, waiting room, outpatient clinic examination, consilium report, dispensatory treatment. Module of Hospital departments, administrative acceptance of patient for hospitalisation, entry examination, organisation of patients in rooms and beds, creation of health care records, displacement of patients in and between hospital departments, administrative discharge of hospitalised patients, final report. Gynaecological and maternity department. Module of Intensive Care Units. Module of Surgery departments. HIS for nurses and caregivers.

**Recommended literature:**  
3. Notes from exercises and manuals of hospital information systems.

**Course language**:  
english
### Course assessment
Total number of assessed students: 86

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**Provides:** doc. Ing. Jaroslav Majerník, PhD.

**Date of last modification:** 12.05.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

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Course type, scope and the method:
- Course type: Lecture / Practice
- Recommended course-load (hours):
  - Per week: 1 / 2
  - Per study period: 14 / 28
- Course method: present

Number of credits: 3

Recommended semester/trimester of the course: 7.

Course level: I.II.

Prerequisites:

Conditions for course completion:
- Attendance at practical lesson and seminars and accepted correct report on measurement, preparation and presentation of seminar thematic topic.
- Duty attendance minimum 20 % at lectures.
- The final exam in the written form- at least 64 % to pass the exam.

Learning outcomes:
- Students will acquire knowledge about patterns of factors resulting from living and working environment, the impact of the different lifestyle factors on health, health promotion, health protection principles, population health and will receive the knowledge through addressing preventive measures.

Brief outline of the course:
- Occupational hygiene, health in the workplace, distribution and influence of factors from working conditions and occupational environment on health (physical, chemical, biological, ergonomic, specific, unspecific, hazardous work). Hygiene and sanitary in health care facilities. Effect of ionizing and non-ionizing radiation on health, protection of the population. Hygienic problems of housing and urbanization. Hygiene of children and youth. Growth and development of children, their health determinants, depending on the environment. Practical and theoretical principles in design, implementation and monitoring of population-based studies determinants of health. Practical visit of selected departments.

Recommended literature:

| Course language: |
| Notes: |

| Course assessment |
| Total number of assessed students: 808 |

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**Provides:** doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof., doc. MVDr. Tatiana Kimáková, PhD., Ing. Viera Lovayová, PhD.  
**Date of last modification:** 11.02.2016  
**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 3
  - Per study period: 14 / 42
- **Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 9.

**Course level:** I. II.

**Prerequisites:** IK/IM-GM2/14

**Conditions for course completion:**
- Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles of antiinfectious treatment, current problems of infectology in the 21st century.

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 518

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**Provides:** prof. MUDr. Ivan Schréter, CSc., prof. MUDr. Pavol Jarčuška, PhD., doc. MUDr. Pavol Kristian, PhD., MUDr. Lucia Fontanelli, MUDr. Martin Novotný, PhD., MUDr. Zuzana Paraličová, PhD., MUDr. Alena Rovňáková

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
### COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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**Course type:**  
**Recommended course-load (hours):**  
**Per week:**  
**Per study period:**  
**Course method:** present

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**Recommended semester/trimester of the course:** 11., 12..

**Course level:** I.II.

**Prerequisites:** IK/IM-GM6/16 and 1. PK/PT-GM2/15 and 1. KAIM/AIM-GM/16 and ULCHBKB/CB-GM/16 and KICM/IFM-GM/14

**Conditions for course completion:**  
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate  
2. Test, 60 questions, needs to achieve 70%  
3. Examining of the patient, dg., dif. dg., treatment  
4. Appreciation of the knowledge during classes by the teacher  
5. To the state exam bring the student’s book with the appreciation

**Learning outcomes:**

**Brief outline of the course:**  
1. Methods of investigation in cardiology  
2. Cardiac arrhythmias  
3. Coronary heart disease  
4. Acute myocardial infarction  
5. Congestive heart failure  
6. Acute pulmonary embolism  
7. Rheumatic fever  
8. Endocarditis  
9. Myocarditis  
10. Pericarditis  
11. Mitral stenosis and regurgitation  
12. Aortic stenosis and regurgitation  
13. Atherosclerosis  
14. Systemic hypertension  
15. Secondary hypertension  
16. Syncope  
17. Shock  
18. Cardiomyopathy  
19. Chronic pulmonary heart disease  
20. Peripheral vascular disease  
21. Methods of investigation in pneumology
22. Chronic obstructive pulmonary disease
23. Diffuse interstitial lung disorders
24. Bronchial asthma
25. Pneumonias
26. Respiratory failure
27. Tumours of the respiratory tract
28. Tuberculosis
29. Disorders of the pleura
30. Mediastinal lesions
31. Differential diagnosis of dyspnea
32. Methods of investigation in nephrology
33. Acute glomerulonephritis
34. Chronic glomerulonephritis
35. Tubulo-interstitial nephritis
36. Nephrotic syndrom
37. Acute renal failure
38. Chronic renal failure
39. Tumours of the kidney
40. Nephrolithiasis. Cystic renal disease
41. Methods of investigation in gastroenterology
42. Methods of investigation in liver, biliary tract disease
43. Methods of investigation in pancreas
44. Diseases of the oesophagus
45. Gastritis-acute and chronic
46. Peptic ulcer disease
47. Gastric tumours
48. Acute and chronic gastrointestinal bleeding
49. Inflammatory bowel disease
50. Malabsorption
51. Tumours of the small intestine and colonic tumours
52. Chronic hepatitis
53. Liver cirrhosis
54. Liver failure
55. The differential diagnosis of jaundice
56. Alcoholic liver disease
57. Tumours of the liver and biliary tract
58. Diseases of the gallbladder and biliary tract
59. Acute pancreatitis
60. Chronic pancreatitis
61. Acute states in gastroenterology
62. Investigation methods in thyreology
63. Investigation methods of adrenal gland diseases
64. Pituitary tumours. Hyperpituitarism
65. Hypopituitarism
66. Goitre, thyroid tumours
67. Hyperthyroidism
68. Addison disease
69. Cushings syndrome
70. Hypothyroidism
| 71. Disorders of male reproduction          |
| 72. Disorders of female reproduction       |
| 73. Diabetes mellitus-classification, diagnosis, symptoms |
| 74. Treatment of diabetes                  |
| 75. Acute complications of diabetes mellitus |
| 76. Investigations in hematology           |
| 77. Anaemias-classification and differential diagnosis |
| 78. Microcytic anemia                      |
| 79. Macrocytic anemia                      |
| 80. Haemolytic anemias                     |
| 81. Myeloproliferative disorders           |
| 82. Blood transfusion                      |
| 83. Bleeding disorders                     |
| 84. Vein thrombosis                        |
| 85. Acute leukemias                        |
| 86. Myelodysplastic syndromes              |
| 87. The lymphomas                          |
| 88. Monoclonal gammopathies                 |
| 89. Aplastic anaemia                       |
| 90. The spleen                             |
| 91. Rheumatoid arthritis                   |
| 92. Connective tissue disorders: Scleroderma, Sjögren syndrome, Dermatomyositis |
| 93. Seronegative spondylarthitis           |
| 94. Systemic lupus erythematosus           |
| 95. Differential diagnosis of chest pain    |
| 96. Osteoporosis                           |
| 97. Fever of unknown origin, septicaemia    |
| 98. Acute and chronic poisoning-general principales of managment |
| 99. Drug poisoning /paracetamol, salicylates, NSA/ |
| 100. Drogs poisoning                       |
| 101. Mushrooms poisoning                    |
| 102. Disorders of lipid metabolism         |
| 103. Back pain-differential diagnosis       |
| 104. Antibiotics-classification, indications, adverse reactions |
| 105. Disorders of acid – base balance      |
| 106. Disorders of water and electrolytes    |
| 107. Clinical genetics in internal medicine |
| 108. Immunomodulatory treatment            |
| 109. Cardiopulmonary resuscitation         |
| 110. Paraneoplastic syndromes              |
| 111. Vitamins deficiencies                 |
| 112. Diabetes insipidus.                   |
| 113. Primary hyperaldosteronism             |
| 114. Pheochromocytoma                      |
| 115. Vasculitis -classification. Polyanertheritis nodosa |
| 116. Obesity                               |
| 117. Immunodeficiency states               |

**Recommended literature:**

1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition
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COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: IK/IM-GM1/16  Course name: Internal Medicine 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3 Per study period: 42 / 42
Course method: present

Number of credits: 5
Recommended semester/trimester of the course: 6.
Course level: I.II.

Prerequisities: UFZ/Ph-GM2/14 and IK/IP-GM/15

Conditions for course completion:
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Test, 30 questions, needs to achieve 60%
3. Appreciation of the knowledge during classes by the teacher

Learning outcomes:

Brief outline of the course:
Heart failure. Arrhythmias I. Arrhythmias II. Angiology. Peripheral vascular diseases
Acute and chronic cor pulmonale. Thromboembolic disease. Arterial hypertension
Bronchial asthma – diagnosis and treatment. Interstitial lung diseases

Recommended literature:
1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition
2. Kasper D, Fauci A. Harrison’s principles of Internal Medicine

Course language:

Notes:
Course assessment
Total number of assessed students: 777

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Provides: prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Daniel Pella, PhD., prof. MUDr. Gabriel Valočik, PhD., prof. MUDr. Peter Mitro, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Branislav Stančák, CSc., MUDr. Pavol Joppa, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof.,
**Date of last modification:** 30.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 2 / 3  
**Per study period:** 28 / 42  
**Course method:** present

- **Number of credits:** 4
- **Recommended semester/trimester of the course:** 7.
- **Course level:** I.II.
- **Prerequisites:** IK/IM-GM1/16
- **Conditions for course completion:**
  1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
  2. Test, 30 questions, needs to achieve 60%
  3. Appreciation of the knowledge during classes by the teacher

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition  
2. Kasper D, Fauci A. Harrison´s principles of Internal Medicine

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 689

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**Provides:** prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Dušan Trejbál, CSc., prof. MUDr. Ivica Lazurová, DrSc., FRCP, doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Štefán Koval, PhD., doc. MUDr. Ivana Valočíková, PhD., doc. MUDr. Jozef Gonšorčík,
CSc., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Štěfan Tóth, MBA, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr. Zbyněk Schrøner, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Marek Varga, PhD., MUDr. Pavol Joppa, PhD., MUDr. Ján Pobeha, MUDr. Martin Javorský, PhD., MUDr. Alojz Rajnič, Ph.D., MUDr. Lýdia Pundová, CSc., MUDr. Ivan Majerčák, doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Lucia Merkovská, PhD., MUDr. Božena Nováková, PhD., MUDr. Martin Janičko, PhD., MUDr. Lubomír Tomáš, Ph.D., MUDr. Lucia Jedličková, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, MUDr. Alexandra Lisovszki, MUDr. Zuzana Malachovská, MUDr. Mária Rašiová, Ph.D., MUDr. Ivana Trojová, MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Igorivna Putrya

Date of last modification: 30.09.2016

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: IK/IM-GM3/16
Course name: Internal Medicine 3

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 3 / 3
Per study period: 42 / 42
Course method: present

Number of credits: 4

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisities: IK/IM-GM2/14

Conditions for course completion:
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Test, 30 questions, needs to achieve 60%
3. Appreciation of the knowledges during classes by the teacher

Learning outcomes:

Brief outline of the course:
Lymphproliferative disorders. Multiple myeloma. Monoclonal gamapeties - dif.dg. Investigation methods in gastroenterology and hepatology. Anticoagulation and fibrinolytic therapy
Blood transfusion. Haemostasis and its disorders. Diseases of the oesophagus
Disorders of the stomach and doudenum. Disorders of the small bowel. Malabsorption
Inflammatory bowel diseases. Tumours of the small and large bowel. The Pancreas
Disorders of the gallbladder and biliary tract. Chronic hepatitis. Liver tumors
Acute states in gastroenterology. Metabolic and toxic liver involvement

Recommended literature:
1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition
2. Kasper D, Fauci A. Harrison ´s principles of Internal Medicine

Course language:

Notes:

Course assessment
Total number of assessed students: 537

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Provides: doc. MUDr. Marián Sninčák, CSc., mim.prof., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Elena Tóthová, CSc., doc. MUDr. Ivana Valočíková, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr. Norbert Lukán, PhD., MUDr. Eduard Veseliny, PhD.,
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** IK/IM-GM4/09  
**Course name:** Internal Medicine 4  

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**Course method:** present  
**Number of credits:** 3  
**Recommended semester/trimester of the course:** 9.  
**Course level:** I.II.  
**Prerequisities:** IK/IM-GM3/16  

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<td>2. Appreciation of the knowledge during classes by the teacher, Test, 30 questions, needs to achieve 60%</td>
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**Learning outcomes:**  
**Brief outline of the course:**  

**Recommended literature:**  
1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition  
2. Kasper D, Fauci A. Harrison’s principles of Internal Medicine
Course language:

Notes:

Course assessment
Total number of assessed students: 516

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Provides: doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočíková, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Peter Mitro, PhD., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Ľubomír Legáth, CSc., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr. Jozef Gonsorčík, CSc., MUDr. Mária Rašiová, PhD., MUDr. Alojz Rajnič, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Martin Javorský, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Peter Horváth, MUDr. Ján Fedačko, PhD., MUDr. Božena Nováková, PhD., MUDr. Martin Janičko, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Marek Varga, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Ivan Majerčák, MUDr. Eduard Veseliny, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Ján Pobeha, MUDr. Pavol Joppa, PhD., MUDr. Mária Štolfová, PhD., MUDr. Eliška Fatľová, MUDr. Ivana Gotthardová, MUDr. Veronika Koňaková, MUDr. Alexandra Lisovszki, MUDr. Zuzana Malachovská, doc. MUDr. Marián Sninčák, CSc., mim.prof., MUDr. Kamila Brúšiková, PhD., MUDr. Štefan Sotak, PhD. MBA, MUDr. Slavomír Perečinský, PhD., MUDr. Peter Olexa, PhD., prof. MUDr. Miroslav Mydlík, DrSc.

Date of last modification: 30.09.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice

**Recommended course-load (hours):**
- Per week: 1 / 2
- Per study period: 14 / 28

**Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 10.

**Course level:** I.II.

**Prerequisites:** IK/IM-GM4/09

**Conditions for course completion:**
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Appreciation of the knowledge during classes by the teacher, Test, 30 questions, needs to achieve 60%
3. To the exam bring the student’s book with the appreciation

**Learning outcomes:**

**Brief outline of the course:**
Demonstration of patients with acute kidney injury (within limits).

**Recommended literature:**
1. Kumar and Clarks: Clinical Medicine, 8th Edition
2. Kasper D, Fauci A. Harrison’s principles of Internal Medicine

**Course language:**

**Notes:**
**Course assessment**

Total number of assessed students: 815

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**Provides:** doc. MUDr. Marián Sninčák, CSc., mim.prof., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočiková, PhD., doc. MUDr. Ľubomír Legáth, CSc., MUDr. Pavol Joppa, PhD., MUDr. Marek Varga, PhD., doc. MUDr. Želmíra Macejová, PhD., MPH, mim. prof., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Štefan Koval, PhD., prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Dušan Trejbal, CSc., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., MUDr. Martin Janičko, PhD., MUDr. Ján Fedačko, PhD., MUDr. Peter Horváth, MUDr. Božena Nováková, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Zuzana Kočišová, MUDr. Ivan Majerčák, MUDr. Lýdia Pundová, CSc., MUDr. Ján Pobeha, MUDr. Martin Javorský, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ivana Gotthardová, doc. MUDr. Norbert Lukán, PhD., MUDr. Mária Rašiová, PhD., MUDr. Ivana Trojová, MUDr. Slavomír Perečinský, PhD., MUDr. Peter Olexa, PhD., MUDr. Kamila Brůšiková, PhD., MUDr. Štefan Soták, PhD. MBA, MUDr. Štefan Tóth, MBA, PhD., MUDr. Alina Igorivna Putrya, MUDr. Simona Ujházi, MUDr. Lucia Merkovská, PhD.

**Date of last modification:** 30.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
# COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**
- **Course type:** Practice  
- **Recommended course-load (hours):**  
  - Per week: 320s  
  - Per study period: 320s  
- **Course method:** present

**Number of credits:** 13

**Recommended semester/trimester of the course:** 11., 12..

**Course level:** I.II.

**Prerequisites:** IK/IM-GM5/09 and NLK/NL-GM2/14

**Conditions for course completion:**
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate  
2. Test, 60 questions  
3. Examining of the patient, dg., dif. dg., treatment  
4. Appreciation of the knowledge during classes by the teacher  
5. To the state exam bring the student’s book with the appreciation

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
1. Kumar and Clarks: Clinical Medicine, 7th – 8th Edition  
2. Kasper D, Fauci A. Harrison’s principles of Internal Medicine

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** prof. MUDr. Pavol Jarčuška, PhD., prof. MUDr. Peter Mitro, PhD., doc. MUDr. Ivana Valočíková, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr. Norbert Lukán, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Ivan Majerčák, doc. MUDr. Želmira Macejová, PhD., MPH, mim. prof., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Daniel Pella, PhD., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Jozef Pella, PhD., prof. MUDr.
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<th>Dušan Trejbal, CSc., doc. MUDr. Ľubomír Legáth, CSc., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Eva Szabóová, PhD., MUDr. Ľubomír Tomáš, PhD., MUDr. Ján Fedačko, PhD., MUDr. Peter Horváth, MUDr. Martin Janičko, PhD., MUDr. Božena Nováková, PhD., MUDr. Miriam Kozárová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Marek Varga, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Pavol Joppa, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Martin Javorský, PhD., MUDr. Pavol Pobeha, PhD., MUDr. Lucia Merkovská, PhD., MUDr. Štefan Tóth, MBA, Ph.D., MUDr. Ivana Gotthardová, MUDr. Mária Rašiová, PhD., MUDr. Ľubomír Špak, MPH, MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Silvia Mišíková, PhD., MPH, doc. MUDr. Branislav Stančák, CSc., MUDr. Martin Novotný, PhD., MUDr. Ivana Trojová, MUDr. Pavol Murín, PhD., MUDr. Kamila Brúšiková, PhD., MUDr. Štefan Sotak, PhD. MBA, MUDr. Alina Igorivna Putrya, MUDr. Simona Ujházi</th>
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<td><strong>Approved:</strong> prof. MUDr. Daniel Pella, PhD.</td>
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<td><strong>Course ID:</strong></td>
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<td><strong>Course name:</strong></td>
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</table>

**Course type, scope and the method:**

- **Course type:** Lecture / Practice

**Recommended course-load (hours):**

- **Per week:** 2 / 2
- **Per study period:** 28 / 28

**Course method:** present

**Number of credits:** 5

**Recommended semester/trimester of the course:** 5.

**Course level:** I.II.

**Prerequisites:** UA/A-GM2/14 and UFZ/Ph-GM1/14

**Conditions for course completion:**

1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Test, 30 questions, needs to achieve 60%
3. Appreciation of the knowledge during classes by the teacher
4. To the exam bring the student’s book with the appreciation
5. Conditions for preterm – teacher’s recommendation, achievement of 27 points from 30 questions

**Learning outcomes:**

**Brief outline of the course:**


**Recommended literature:**

2. P.J. Toghill: Examining Patients. An Introduction to Clinical Medicine, 1993

**Course language:**

**Notes:**
## Course assessment

Total number of assessed students: 1031

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**Provides:** prof. MUDr. Peter Mitro, PhD., prof. MUDr. Gabriel Valočík, PhD., prof. MUDr. Ružena Tkáčová, DrSc., prof. MUDr. Dušan Trejbal, CSc., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, prof. MUDr. Daniel Pella, PhD., doc. MUDr. Jozef Gonsorčík, CSc., doc. MUDr. Lubomír Legáth, CSc., doc. MUDr. Ivana Valočíková, PhD., MUDr. Pavol Joppa, PhD., MUDr. Marek Varga, PhD., doc. MUDr. Želmiro Macejová, PhD., MPH, mim. prof., prof. MUDr. Ivan Tkáč, PhD., prof. MUDr. Elena Tóthová, CSc., prof. MUDr. Jozef Pella, PhD., doc. MUDr. Eva Szabóová, PhD., doc. MUDr. Viola Vargová, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., MUDr. Míriam Kozárová, PhD., doc. MUDr. Norbert Lukán, PhD., MUDr. Alojz Rajnič, PhD., MUDr. Martin Javorký, PhD., MUDr. Mária Rašiová, PhD., MUDr. Martin Janičko, PhD., MUDr. Lýdia Pundová, CSc., MUDr. Jana Deptová, PhD., doc. MUDr. Ingrid Dravecká, PhD., MUDr. Lubomír Tomáš, PhD., MUDr. Ivan Mayerčák, doc. MUDr. Zbyněk Schroner, PhD., MUDr. Slavomír Perečinský, PhD., MUDr. Zuzana Kuklišová, PhD., MUDr. Eduard Veseliny, PhD., MUDr. Ján Pobeha, MUDr. Pavol Pobeha, PhD., MUDr. Ivana Gotthardová, MUDr. Zuzana Malachovská, MUDr. Eliška Fatťová, MUDr. Alexandra Lisovszki, MUDr. Veronika Koňaková, MUDr. Martin Medvič, MUDr. Mgr. Ivana Jochmanová, MUDr. Štefan Sotak, PhD. MBA, MUDr. Ivana Trojová, MUDr. Ivana Paraničová, MUDr. Anna Hajduková, MUDr. Petra Senajová, MUDr. Ján Fedačko, PhD., MUDr. Štefan Tóth, MBA, PhD., MUDr. Katarína Demková, MUDr. Lubomír Špak, MPH, MUDr. Monika Jankajová, PhD., MUDr. Stanislav Juhás, CSc., MUDr. Silvia Mišková, PhD., MPH, doc. MUDr. Branislav Stančák, CSc., MUDr. Eduard Čurilla, PhD., MUDr. Pavol Murín, PhD., MUDr. Božena Nováková, PhD., MUDr. Lucia Merkovská, PhD., MUDr. Alina Igoríva Putrya

**Date of last modification:** 14.10.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

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<tr>
<td>Course ID:</td>
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<td>Course name:</td>
<td>Komunikačné zručnosti v slovenčine pre lekársku prax 1</td>
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Course type, scope and the method:
- Course type: Practice

Recommended course-load (hours):
- Per week: 2
- Per study period: 28

Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 3., 5., 7.

Course level: I.II.

Prerequisites: Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
- Total number of assessed students: 0

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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 4., 6., 8.

**Course level:** I.II.

**Prerequisites:** CJP/LFKZSL1/16

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 0

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**Provides:** Mgr. Veronika Pálová, PhDr. Helena Petruňová, CSc., Ing. Mgr. Ingrid Madárová

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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<th><strong>Course ID:</strong></th>
<th><strong>Course name:</strong> Laboratory Diagnosis in Clinical Practice</th>
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**Course type, scope and the method:**  
**Course type:** Lecture / Practice / Controlled study hour  
**Recommended course-load (hours):**  
**Per week:** 0 / 1 / 1  
**Per study period:** 0 / 14 / 14  
**Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 24

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**Provides:** RNDr. Miroslava Rabajdová, PhD., doc. RNDr. Marek Stupák, PhD., doc. RNDr. Vladimira Tomečková, PhD., Mgr. Peter Urban, PhD., Ing. Beáta Hubková, PhD., prof. Ing. Mária Mareková, CSc., RNDr. Jana Mašlanková, PhD., RNDr. Beáta Veliká, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: ULCHBKB/MBCH-GM1/16
Course name: Medical Biochemistry 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 4 / 3 Per study period: 56 / 42
Course method: present

Number of credits: 8
Recommended semester/trimester of the course: 3.
Course level: I.II.

Prerequisities:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1335

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Provides: doc. RNDr. Marek Stupák, PhD., prof. Ing. Mária Mareková, CSc., doc. RNDr. Vladimíra Tomečková, PhD., Mgr. Peter Urban, PhD., RNDr. Beáta Veliká, PhD., RNDr. Jana Mašlanková, PhD., Ing. Beáta Hubková, PhD., doc. RNDr. Janka Vašková, PhD., RNDr. Miroslava Rabajdová, PhD., MUDr. Anna Birková, PhD.

Date of last modification: 07.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | ULCHBKB/MBCH-GM2/14 |
| **Course name:** | Medical Biochemistry 2 |
| **Course type, scope and the method:** | |
| **Course type:** | Lecture / Practice |
| **Recommended course-load (hours):** | |
| Per week: | 3 / 3 |
| Per study period: | 42 / 42 |
| **Course method:** | present |
| **Number of credits:** | 7 |
| **Recommended semester/trimester of the course:** | 4 |
| **Course level:** | I.II. |
| **Prerequisites:** | ULCHBKB/MBCH-GM1/16 |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |
| **Course assessment** | Total number of assessed students: 1122 |
| | |
| | A | B | C | D | E | FX |
| | | 3.83 | 4.19 | 9.8 | 15.6 | 44.56 | 22.01 |
| **Provides:** | doc. RNDr. Marek Stupák, PhD., prof. Ing. Mária Mareková, CSc., doc. RNDr. Vladimira Tomečková, PhD., Mgr. Peter Urban, PhD., RNDr. Jana Mašlanková, PhD., RNDr. Beáta Veliká, PhD., Ing. Beáta Hubková, PhD., RNDr. Miroslava Rabajdová, PhD., RNDr. Miroslava Revická, PhD., doc. RNDr. Janka Vašková, PhD. |
| **Date of last modification:** | 03.05.2015 |
| **Approved:** | prof. MUDr. Daniel Pella, PhD. |
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ULBF/MBF-GM/09  
**Course name:** Medical Biophysics

### Course type, scope and the method:
- **Course type:** Lecture / Practice  
- **Recommended course-load (hours):**  
  - Per week: 4 / 3  
  - Per study period: 56 / 42  
- **Course method:** present

### Number of credits: 8

### Recommended semester/trimester of the course: 2.

### Course level: I.II.

### Prerequisities:

### Conditions for course completion:

- A. Students can gain points during the term:  
  a) small test at practical exercise  
  b) attendance at practical lesson and accepted correct report (protocol) on measurement  
  c) big test concerning lectured topics at midterm  

The gain less than 64 % must be compensated by successful retake test at the end of practical course. Practical exercises is evaluated according to ECTS table. Students have the duty take part minimum at 50% of lectures.  

- B. Final exam evaluation:  
  Two items contribute to the final exam evaluation. Their particular contribution to the final evaluation:  
  1. the gain during permanent study check 20%  
  2. the final exam in the written form - at most 80%.  

To pass exam, no of above two items can be classified as Fx (failure). The knowledge evaluation is expression of percentual level (20%+80%) according to ECTS table.

### Learning outcomes:

At the end of the course students will become familiar with elementary knowledge about physical background of processes in human body on molecular, atomic and subatomic level. Students will understand physical principles of diagnostic and therapeutic devices, as well as biophysical effects in human body after application of biophysical techniques, encountered side effects and safe, efficient usage of medical devices in practice. Course will introduce also subjects of molecular biophysics, membrane biophysics, and bioenergetics. As the additional benefit from the course students will be able to address biophysical problems having close relationship to health and sickness in man.

### Brief outline of the course:

Relation physics and medicine, Structure of matter, Nuclear radiation and its application in medicine, Magnetic resonance imaging, Lasers in medicine, X rays – the nature and physical properties, Conventional radiography and CT, Pulse oximetry, Ultrasound–physical characteristics, Medical application of ultrasound, Disperse system – classification and physical properties, Colligative properties of disperse systems, Transport processes – flow, diffusion, Membrane
biophysics, Bioelectricity, Electrical current and tissues, Biophysics of senses, Sound and hearing, Biophysics of vision, Biophysics of cardiovascular system.

**Recommended literature:**
Medical biophysics practical exercises, M. Legiň et al., Academic textbook, Košice 2013
Fundamentals of Biophysics and Medical Technology, I. Hrazdira, V. Mornstein et al., Masaryk University, Faculty of Medicine, Brno 2012

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 1582

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**Provides:** doc. RNDr. Ján Sabo, CSc., mim.prof., doc. RNDr. Lea Vojčíková, CSc., RNDr. Imrich Géci, PhD., RNDr. Galina Laputková, CSc., RNDr. Soňa Tkáčiková, PhD., RNDr. Ivan Talian, PhD., RNDr. Zuzana Tomková, PhD., RNDr. Peter Bober, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<td><strong>Course name:</strong></td>
<td>Medical Communication in Slovak</td>
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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 1
  - Per study period: 14
- **Course method:** present

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**Conditions for course completion:**
Students must actively participate in the class during the semester. Max. 1 absence. Final assessment is based on 2 tests (6th/7th week and 12th/13th week), a minimum overall average of 60% is required (1st test + 2nd test = final result). There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%  

**Learning outcomes:**
After completing the course, students are able to communicate with patients in various departments in the hospital. They can ask the patient specific questions and giving them specific instructions, depending on the department in which they are located.

**Brief outline of the course:**
- At Urology – doctor/patient conversation
- At Gynecology – doctor/patient conversation
- At Pediatrics – doctor/patient conversation
- At Orthopedics – doctor/patient conversation
- At Neurology – doctor/patient conversation

**Recommended literature:**

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**Notes:**
# Course assessment

Total number of assessed students: 136

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**Provides:** Mgr. Lívia Barnišinová

**Date of last modification:** 29.01.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | UVZH/ME-GM/15 | Course name: | Medical Ecology |

Course type, scope and the method:
Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 0 / 1 Per study period: 0 / 14
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 5.

Course level: I.II.

Prerequisites: ULBL/B-GM1/09

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 145

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Provides: doc. MUDr. Kvetoslava Rimárová, CSc., mim.prof.

Date of last modification: 11.09.2015

Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  

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<td>CJP/ LFME/11</td>
<td>Medical English</td>
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**Course type, scope and the method:**  
- **Course type:** Practice  
- **Recommended course-load (hours):**  
- **Per week:** 1  
- **Per study period:** 14  
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 3., 5.  

**Course level:** I.II.

**Prerequisites:** KROKF/LFMT/07

**Conditions for course completion:**  
Active participation, 2 absences (2x45 min.) tolerated.  
Test (5th/6th week), min. 60%, no retake. Oral presentation.  
Exam - final exam test.  
Grading scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% and less.

**Learning outcomes:**  
The development of language skills (reading, listening, speaking), improvement of linguistic competence (fonological, lexical and syntactic aspects), and pragmatic competence with focus on English for specific/professional purposes - General medicine, level B2.

**Brief outline of the course:**  
Medical English.  
Vocabulary and pronunciation.  
Formal/informal, technical (medical)/common vocabulary.  
The human body.  
Functions of the human body.  
Diseases and their symptoms.  
Functional grammar - defining, classifying, expressing function.

**Recommended literature:**  
Concise Medical Dictionary. OUP, 1991  
http://www.bbc.co.uk/worldservice/learningenglish

**Course language:**  
English language, level B2 according to CEFR.

**Notes:**
Course assessment
Total number of assessed students: 1024

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Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD., Mgr. Marianna Škultétyová, Mgr. Veronika Pálová

Date of last modification: 31.01.2017

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: USL/ME-GM/16  Course name: Medical Ethics

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 1 / 1  Per study period: 14 / 14
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 1., 7.

Course level: I.II.

Prerequisites:

Conditions for course completion:
Current computer test. Final computer test. Written exam.

Learning outcomes:
The subject is aimed at acquiring knowledge about the ethical dimension of the doctor (medical worker) and the patient interactions with training skills to solve dilemma situations of medical practice, forming an overview of national and international acts relating to medical ethics and bioethics, comprehensive view on ethical issues in medicine in connection with the general trend towards global ethics and global responsibility accepting intercultural and interreligious insights.

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1040

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Provides: MUDr. Nikita Bobrov, CSc., MUDr. Silvia Farkašová Iannaccone, PhD., MUDr. Ingrid Nerantzakis, MUDr. Dorota Sopková

Date of last modification: 07.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

**Course ID:** ULCHBKB/MCH-GM/16  
**Course name:** Medical Chemistry

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 2 / 2  
Per study period: 28 / 28  
**Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 1.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 340

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**Provides:** prof. Ing. Mária Mareková, CSc., doc. RNDr. Marek Stupák, PhD., doc. RNDr. Vladimíra Tomečková, PhD., RNDr. Beáta Veliká, PhD., RNDr. Jana Mašlanková, PhD., Mgr. Peter Urban, PhD., Ing. Beáta Hubková, PhD., RNDr. Ivana Špaková, MUDr. Anna Birková, PhD., RNDr. Lukáš Smolko, PhD., RNDr. Miroslava Rabajdová, PhD.

**Date of last modification:** 07.03.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
## Course Information Letter

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ULI/MInf-GM/09  
**Course name:** Medical Informatics  

### Course type, scope and the method:  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 0 / 2  
Per study period: 0 / 28  
**Course method:** present

### Number of credits: 2  
**Recommended semester/trimester of the course:** 1.  
**Course level:** I.II.  

### Prerequisites:  

### Conditions for course completion:  
1. 100% and active attendance.  
2. Min. 60% from each test during the term.  
3. Elaboration of all given classworks.  

### Learning outcomes:  
The aim of the course is to get knowledge about the basic terms, methods and tools of information and communication technologies. To reach the computer skills at the level, that allows students to create and to use databases and to get skills in information systems used in health care system. Students should also understand the importance of medical terminology, standards and evidence based medicine.

### Brief outline of the course:  

### Recommended literature:  
4. Notes from exercises.  
5. Manuals of information systems used in health care system.

### Course language:  
english

### Notes:  

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Page: 108
**Course assessment**

Total number of assessed students: 1734

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**Provides:** doc. Ing. Jaroslav Majerník, PhD., Ing. Lenka Szerdiová, PhD., Ing. Martina Habiňaková, PhD.

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
# COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** USL/ML-GM/16  
**Course name:** Medical Law

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**Number of credits:** 2  
**Recommended semester/trimester of the course:** 6., 8.  
**Course level:** I.II.  
**Prerequisites:** KROKF/LFMT/07 and UO/NC-GM2/09  
**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:**

**Date of last modification:** 09.03.2016  
**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 1.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**
- Two written tests during the semester, 40 maximum points, they will be added to the final exam (110 points)

**Learning outcomes:**
The aim of the Medical terminology is to provide students with the basics of latin and greek medical terms that are necessary for further study of medicine. Students should be able to decline words, understand basic rules of grammar and identify the parts of the word.

**Brief outline of the course:**

**Recommended literature:**
- Steven NGAI: Understanding Anatomical Latin.
- Atlas of Human Body

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 1932

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**Provides:** Mgr. Alexandra Kavečanská, Mgr. Mgr. Anabela Katreničová, Ph.D., PhDr. Pavol Šalamon

**Date of last modification:** 06.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td>Mgr. Iveta Rajničová Nagyová, PhD.</td>
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**Course Information Letter**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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<th>Course ID: ULM/MB-GM1/09</th>
<th><strong>Course name:</strong> Microbiology 1</th>
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**Course type, scope and the method:**  
Course type: Lecture / Practice  
Recommended course-load (hours):  
Per week: 2 / 2  
Per study period: 28 / 28  
Course method: present

**Number of credits:** 4  
**Recommended semester/trimester of the course:** 4.  
**Course level:** I.II.

**Prerequisites:** ULBL/B-GM1/09

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 1181

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**Provides:** RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., RNDr. Katarina Čurová, PhD., MVDr. Vladimír Hrabovský, PhD., MUDr. Marián Marcin, Mgr. Ľuboš Ambro, PhD.

**Date of last modification:** 11.02.2016  
**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | ULM/MB-GM2/14 |
| Course name: | Microbiology 2 |

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 3 Per study period: 28 / 42
Course method: present

Number of credits: 6
Recommended semester/trimester of the course: 5.
Course level: I.II.
Prerequisites: ULM/MB-GM1/09
Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1092

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Provides: RNDr. Marián Sabol, CSc., Dr.h.c. prof. MUDr. Leonard Siegfried, CSc., MVDr. Vladimir Hrabovský, PhD., MUDr. Marián Marcin

Date of last modification: 07.05.2015
Approved: prof. MUDr. Daniel Pella, PhD.
### UNIVERSITY:
P. J. Šafárik University in Košice

### FACULTY:
Faculty of Medicine

### COURSE INFORMATION LETTER

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<th><strong>UPF/MPF-GM/14</strong></th>
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#### Course type, scope and the method:
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 0
  - Per study period: 14 / 0
- **Course method:** present

#### Number of credits:
2

#### Recommended semester/trimester of the course:
6., 8.

#### Course level:
I.II.

#### Prerequisites:
UPF/PP-GM1/16

#### Conditions for course completion:

#### Learning outcomes:

#### Brief outline of the course:

#### Recommended literature:

#### Course language:

#### Notes:

#### Course assessment
- Total number of assessed students: 4

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**Provides:** doc. MUDr. Oliver Rácz, CSc., mim.prof., doc. MUDr. Roman Beňačka, CSc., mim.prof., MVDr. Eva Lovásová, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td>1. 100 % active participation in practical exercises, in the case of absence, may substitute up to 3 exercises per semester</td>
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<td>2. Compulsory attendance in at least 11 lectures</td>
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<td>3. Practical examination of the neurological patient.</td>
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<td>4. Successful completion of the test.</td>
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<td>Learning outcomes:</td>
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<td>Brief outline of the course:</td>
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palsy, fakomatosis, neurofibromatosis (M. Recklinghausen,) angiomatosis, myelodysplazy, syringomyelia.

**Recommended literature:**

**Course language:**
english language

**Notes:**

**Course assessment**
Total number of assessed students: 689

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**Provides:** prof. MUDr. Zuzana Gdovinová, CSc., doc. MUDr. Jarmila Szilasiová, PhD., MUDr. Mária Tormašová, PhD., MUDr. Eva Feketeova, PhD., MUDr. Norbert Leško, MUDr. Marianna Vitková, PhD., MUDr. Matej Škorvánek, PhD., MUDr. Vladimír Haň

**Date of last modification:** 20.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: NLK/ NL-GM2/14  
Course name: Neurology 2

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2  
Per study period: 28 / 28
Course method: present

Number of credits: 4

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisites: NLK/NL-GM1/14

Conditions for course completion:
1. 100 % active participation in practical exercises, in the case of absence, may substitute up to 3 exercises per semester 2. Attendance at least 11 lectures 3. Prerequisite to the oral exam from Neurology II requires passing a written test.

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:  
english language

Notes:

Course assessment
Total number of assessed students: 579

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Provides:  
prof. MUDr. Zuzana Gdovinová, CSc., doc. MUDr. Jarmila Szilasiová, PhD., MUDr. Mária Tormašiová, PhD., MUDr. Eva Havlíková, PhD., MUDr. Eva Feketeova, PhD., MUDr.
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<th>Norbert Leško, MUDr. Marianna Vitková, PhD., MUDr. Matej Škorpánek, PhD., MUDr. Vladimír Haň</th>
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**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:** ULBF/MBF-GM/09

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- **Total number of assessed students:** 718

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**Provides:** doc. MUDr. Ján Lepej, CSc.

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
### University Information
- **University:** P. J. Šafárik University in Košice
- **Faculty:** Faculty of Medicine

### Course Information
- **Course ID:** UO/NC-GM1/13
- **Course Name:** Nursing Care 1

### Course Type, Scope and Method
- **Course Type:** Lecture / Practice
- **Recommended Course-load (hours):**
  - Per week: 1 / 2
  - Per study period: 14 / 28
- **Course Method:** Present

### Number of Credits
- 3

### Recommended Semester/Trimester of the Course
- 3.

### Course Level
- I.II.

### Prerequisites

### Conditions for Course Completion

### Learning Outcomes
Main aim of nursing care is to introduce the student general knowledge about nursing care and help them to gain skills of nursing clinical procedures which they will use in their medical practice in hospital. Student will be able to understand the main principles of the health care system, infection control, health and safety, nutrition of the patient... He/she will know different types of binders and bandages and will be able to provide them in practice.

### Brief Outline of the Course

### Recommended Literature

### Course Language

### Notes
## Course assessment

Total number of assessed students: 1463

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** Provides:** doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Gabriela Štefková, PhD., PhDr. Mária Sovárová Soósová, PhD.

**Date of last modification:** 08.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
## COURSE INFORMATION LETTER

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<td><strong>Course ID:</strong></td>
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<tr>
<td><strong>Course name:</strong></td>
<td>Nursing Care 2</td>
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### Course type, scope and the method:
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 2
  - Per study period: 14 / 28
- **Course method:** present

### Number of credits:
- 4

### Recommended semester/trimester of the course:
- 4.

### Course level:
- I.II.

### Prerequisites:
- UO/NC-GM1/13

### Conditions for course completion:

### Learning outcomes:
Main aim of nursing care is introduce to the student general knowledge about assessing vital signs, administration of medication., parenteral medications (intradermal, subcutaneous, intramuscular, intravenous injection), administering a blood transfusion, administering a cleansing enema, catheterising the female and male urinary bladder. Student will be able to understand the main principals of the named clinical procedures will be able to provide them in practice.

### Brief outline of the course:

### Recommended literature:

### Course language:
- English

### Notes:
Course assessment
Total number of assessed students: 1202

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Provides: doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Gabriela Štefková, PhD., PhDr. Mária Sováriová Soósová, PhD.

Date of last modification: 08.09.2015

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

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<td>Course name:</td>
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**Course type, scope and the method:**
- **Course type:** Practice

**Recommended course-load (hours):**
- Per week: 80s
- Per study period: 80s
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I.II.

**Prerequisites:** UO/NC-GM1/13

**Conditions for course completion:**
The official confirmation about nursing care clearship

**Learning outcomes:**
Main aim of nursing care is to be able Student will be able to understand the main principals of functioning the nursing ward unite, the system of the work, the main principals of nursing clinical procedure. Student will be able to provide nursing clinical procedure in clinical practice in environment of hospital.

**Brief outline of the course:**
Functioning and system of the work nursing in the ward unite. Admission, transfer and discharge of patients, ward round, nursing clinical procedures - assessing vital signs, administration of medication, intradermal, parenteral medications (intradermal, subcutaneous, intramuscular, intravenous injection), administering a blood transfusion, administering a cleansing enema, catheterising the female and male urinary bladder.

**Recommended literature:**

**Course language:**
- English

**Notes:**
**Course assessment**
Total number of assessed students: 1109

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**Provides:** doc. PhDr. Mária Zamboriová, PhD., mim. prof., PhDr. Mária Sovárová Soósová, PhD., PhDr. Gabriela Štefková, PhD.

**Date of last modification:** 08.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
|Faculty: | Faculty of Medicine |
|Course ID: | UO/NCCP-GM/12 |
|Course name: | Nursing Care - Clinical procedures |

Course type, scope and the method:
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 2
  - Per study period: 0 / 28
- **Course method:** present

Number of credits: 2

Recommended semester/trimester of the course: 6., 8.

Course level: I.II.

Prerequisities: UO/NC-GM2/09

Conditions for course completion:

Learning outcomes:
Aim of nursing care is introduce to the student general knowledge about nursing care ant help them to gain skills of nursing clinical procedure which they will use in there medical practice in hospital. Student will be able to understand the main principals of the health care system, infection control, health and safety, nutrition of the patient... He/she will know different types of binders and bandages an will be able to provide them in practice.

Brief outline of the course:
Clinical observation, assessing vital signs. How to fill up observation chart correctly. Administration of medication. Administering parenteral medications - types of medications, types of syringes and needles, removing medication from a vial and an ampoule. Administering intradermal, subcutaneous, intramuscular, intravenous injection. Administering i. v. fluids and medications. Administering a blood transfusion. Clinical training in hospital environment - administering different types of parenteral medications, phlebotomy and blood sampling.

Recommended literature:

Course language:

Notes:
## Course assessment
Total number of assessed students: 96

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**Provides:** PhDr. Mária Sovárová Soósová, PhD., PhDr. Renáta Shafout, PhD., PhDr. Gabriela Štefková, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** OK/OF-GM/13  
**Course name:** Ophthalmology  
**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 1 / 2  
**Per study period:** 14 / 28  
**Course method:** present  
**Number of credits:** 3  
**Recommended semester/trimester of the course:** 10.  
**Course level:** I.II.  
**Prerequisities:** UPF/PP-GM2/16 and IK/IM-GM3/16  
**Conditions for course completion:**  
**Learning outcomes:**  
**Brief outline of the course:**  
**Recommended literature:**  
**Course language:**  
**Notes:**  

**Course assessment**  
Total number of assessed students: 409  

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**Provides:** MUDr. Gabriela Glinská, MUDr. Miriama Skirková, Mgr. MUDr. Jaroslav Kolesár  
**Date of last modification:** 03.05.2015  
**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**

- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 2
  - Per study period: 14 / 28
- **Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** NLK/NL-GM1/14 and ChK/S-GM3/16 and UFR/PM-GM1/14

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** prof. MUDr. Juraj Kovaľ, CSc., MUDr. Michal Molčan, CSc., MUDr. Timea Koštialová, MUDr. Andrej Koman

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

| **University:** | P. J. Šafárik University in Košice |
| **Faculty:** | Faculty of Medicine |
| **Course ID:** | KDaD/PE-SS-GM/16 |
| **Course name:** | Paediatrics |

**Course type, scope and the method:**
- **Course type:**
- **Recommended course-load (hours):**
- **Per week:**
- **Per study period:**
- **Course method:** present

| **Number of credits:** | 2 |
| **Recommended semester/trimester of the course:** | 11., 12.. |
| **Course level:** | I.II. |

**Prerequisites:**
- KDaD/PE-GM3/16 and 1. KAIM/AIM-GM/16 and 1. PK/PT-GM2/15

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:**

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**  
Course type: Lecture / Practice  
Recommended course-load (hours):  
Per week: 2 / 3  
Per study period: 28 / 42  
Course method: present

**Number of credits:** 3  
**Recommended semester/trimester of the course:** 9.  
**Course level:** I.II.

**Prerequisities:** UFR/PM-GM1/14  
**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**  

**Recommended literature:**  

**Course language:**

**Course assessment**  
Total number of assessed students: 534  
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**Provides:** doc. MUDr. Milan Kuchta, CSc., mim.prof., doc. MUDr. Veronika Vargová, PhD., MUDr. Gabriel Kol'vcek, PhD., MUDr. Katarina Gombošová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Pavol Mrázík, PhD., doc. MUDr. Ingrid Schusterová, PhD., MUDr. Alžbeta Tóhátyová, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Anna Főzőová, MUDr. Gabriela Gáborová, MUDr. Zuzana Hribíková

**Date of last modification:** 03.05.2015
Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: KDaD/PE-GM2/12  Course name: Paediatrics 2

Course type, scope and the method:
Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 2 / 2 Per study period: 28 / 28

Course method: present

Number of credits: 3

Recommended semester/trimester of the course: 10.

Course level: I.II.

Prerequisites: KDaD/PE-GM1/15

Conditions for course completion:

Learning outcomes:
Examination and health care of a child patient on pediatric department. Acquisition of theoretical and practical skills beginning from admission of the patient to his discharge from hospital (medical history taking, physical examination, layout of diagnostic procedures, their interpretation, differential diagnosis, treatment). Working with medical records, documentation. Learning of basic diagnostic and therapeutic algorithms following the most common diseases of childhood, according to systems presented on lectures.

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 403

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**University:** P. J. Šafárik University in Košice  

**Faculty:** Faculty of Medicine  

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**Course type, scope and the method:**  
- **Course type:** Practice  
- **Recommended course-load (hours):**  
  - Per week: 200s  
  - Per study period: 200s  
- **Course method:** present  

**Number of credits:** 10  

**Recommended semester/trimester of the course:** 11., 12.  

**Course level:** I.II.  

**Prerequisites:** KDaD/PE-GM2/12 and NLK/NL-GM2/14  

**Conditions for course completion:**  
- practical exam  
- state exam  

**Learning outcomes:**  
Teach students to work as a residents at the ward in hospital, lead them to work independently in both the practical procedures and differential-diagnostic thinking. Daily work at the ward includes taking history, physical examination, drafting diagnostic and treatment process. Students learn to operate with documentation, including admitting and releasing process, also reporting the patients to the head of department during main ward rounds. Each student has to participate on “a patient of the week” analysis.  

**Brief outline of the course:**  
Syllabus emphasizes the most important differential diagnosis in paediatrics: fever, abdominal pain, headache, dyspnoea, wheezing, lymphadenopathy, hepatomegaly, splenomegaly, edema, fail to thrive, growth failure, rash, hyperbilirubinemias, convulsions, heart rhythm disorders, renal syndromes, congenital malformations of CNS, shock, hypoglycemia, sepsis, coma. A very wide range of non-infectious and infectious diseases (e.g. acute and chronic kidney disease, including elimination).  

**Recommended literature:**  

**Course language:**  

**Notes:**
**Course assessment**

Total number of assessed students: 349

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**Provides:** doc. MUDr. Veronika Vargová, PhD., MUDr. Gabriel Koľvek, PhD., MUDr. Katarína Gombošová, PhD., MUDr. Juraj Hedvig, PhD., MUDr. Miroslava Petrášová, PhD., MUDr. Juliana Ferenczová, PhD., MUDr. Peter Krcho, PhD., MUDr. Pavol Mrážik, PhD., doc. MUDr. Ingrid Schusterová, PhD., MUDr. Alžbeta Tóhátyová, PhD., MUDr. Marianna Fajdelová, MUDr. Simona Drobňaková, MUDr. Ingrid Urbančíková, PhD., MPH, MUDr. Anna Főzőová, MUDr. Gabriela Gáborová, MUDr. Zuzana Hribíková

**Date of last modification:** 11.04.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<td>Course ID:</td>
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<td>Course name:</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice / Controlled study hour
- **Recommended course-load (hours):**
  - Per week: 4 / 4 / 1
  - Per study period: 56 / 56 / 14
- **Course method:** present

**Number of credits:** 7

**Recommended semester/trimester of the course:** 5.

**Course level:** I. II.

**Prerequisites:** UA/A-GM1/14 and UA/A-GM2/14 and UHE/HE-GM2/13

**Conditions for course completion:**
Tests and Colloquium

**Learning outcomes:**
gain knowledge from the field of General pathology, mastery of histomorphology selected diagnoses, learn about with macroscopic autopsy diagnosis

**Brief outline of the course:**
Introduction to Pathology, Biopsy, cytology and autopsy, Thanatology, Cell Injury, Dystrophic changes: Alterations in protein metabolism, Alterations in carbohydrate metabolism, Alterations in lipid metabolism, Disturbances of electrolytes and body fluids, Pigments, calcification, crystals and lithiasis, Progressive changes, Atrophy and necrosis, Inflammation, Growth disorders, Teratology, Pseudotumors, Basis histological features of tumors, Tumors, Tumor systematics, Lymphomas, Hypersensitivity reactions, Immunodeficiency diseases, Cardiovascular system.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 845

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**Provides:** MUDr. Erika Štammová, MUDr. Július Tatár, MUDr. Zuzana Benetinová, MUDr. Alžbeta Blichárová, MUDr. Ľudmila Verbóová

**Date of last modification:** 25.02.2016
**Approved:** prof. MUDr. Daniel Pella, PhD.
University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: UP/PA-GM2/16  Course name: Pathological Anatomy 2

Course type, scope and the method:
Course type: Lecture / Practice / Controlled study hour
Recommended course-load (hours):
Per week: 4 / 4 / 1 Per study period: 56 / 56 / 14
Course method: present

Number of credits: 8

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: UP/PA-GM1/14 and UA/A-GM3/14

Conditions for course completion:
credit test, histomorphological colloquium final written and oral examination

Learning outcomes:
Gaining a proper knowledge in the field of special pathology, gross necropsy diagnostics and histomorphological diagnostics of chosen diagnoses.

Brief outline of the course:
Pathology of the Respiratory System, Pathology of haematopoetic system, Pathology of the gastrointestinal tract, Pathology of the liver, Biliary tract and pancreas, Uropathology, pathology of ovaries and uterus, Pathology of pregnancy, Pathology of the breast, Pathology of the Endocrine system, Pathology of the Musculoskeletal system, Pathology of CNS, Dermatopathology, Pathology of infancy and childhood

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 721

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Provides: MUDr. Erika Štammová, MUDr. Július Tatár, MUDr. Zuzana Benetinová, MUDr. Alžbeta Blichárová

Date of last modification: 05.05.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**Univeristy:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

**Course ID:** UPF/PP-GM1/16  
**Course name:** Pathological Physiology 1

**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - **Per week:** 2 / 3  
  - **Per study period:** 28 / 42
- **Course method:** present

**Number of credits:** 5

**Recommended semester/semester of the course:** 5.

**Course level:** I.II.

**Prerequisities:** UFZ/Ph-GM2/14

**Conditions for course completion:**

**Learning outcomes:**
General pathophysiology is providing the comprehensive knowledge related to the causality, the mechanisms of the alteration, progression and consequences of human diseases, pathological states and processes including overview of their underlying etiological factors, processing pathways and resulting manifestations on systemic, organ-specific and cellular level.

**Brief outline of the course:**
Health and disease, pathological states, processes, outcomes of disease, terminology
- **Etiology of diseases:** genetic factors (genomic, chromosomal mutations & non-Mendelian inheritance), physical (burning injury, hypo-/hyperthermia), chemical, biological, nutritional factors (malnutrition, obesity), inherited and acquired metabolic diseases
- **Acute and chronic inflammation, fever, multiple organ dysfunction, systemic stress-maladaptation, cellular stress, immunopathology** (allergies, autoimmunity, immunodeficiency),
- **Benign and malignant tumours, systematic & molecular carcinogenesis,**
- **Cell damage & death, necrosis, apoptosis, hypoxic-ischaemic damage, reactive oxygen species,** principles of intercellular signalling, enzymopathies, Disorders of inner milieu including water and electrolyte dysbalance and disorders of acid-base balance
- **Disorders of consciousness, pre-coma, coma, brain death, terminal states & illness**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 1007

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<td><strong>Provides:</strong></td>
<td>doc. MUDr. Oliver Rácz, CSc., mim.prof., MVDr. Eva Lovásová, PhD., MVDr. Jaroslava Nováková, PhD., doc. MUDr. Roman Beňačka, CSc., mim.prof., MUDr. Lenka Šalamonová Blichová, MUDr. Marek Brenišin, MUDr. Simona Rusnáková</td>
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**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UPF/PP-GM2/16  
**Course name:** Pathological Physiology 2

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 3 / 3  
Per study period: 42 / 42  
**Course method:** present

**Number of credits:** 6

**Recommended semester/trimester of the course:** 6.

**Course level:** I.II.

**Prerequisites:** UPF/PP-GM1/16 and ULCHBKB/MBCH-GM1/16

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 802

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**Provides:** doc. MUDr. Oliver Rácz, CSc., mim.prof., doc. MUDr. Roman Beňačka, CSc., mim.prof., MVDr. Eva Lovásová, PhD., MVDr. Jaroslava Nováková, PhD., MUDr. Simona Rusnáková, MUDr. Lenka Šalamonová Blichová, MUDr. Marek Brenišin

**Date of last modification:** 12.09.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

<table>
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<tr>
<th>Course ID: UFR/PM-GM1/14</th>
<th>Course name: Pharmacology 1</th>
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**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 3 / 2  
**Per study period:** 42 / 28  
**Course method:** present

**Number of credits:** 4

**Recommended semester/trimester of the course:** 6.

**Course level:** I.II.

**Prerequisites:** UFZ/Ph-GM2/14

**Conditions for course completion:**  
Written tests  
Oral examination

**Learning outcomes:**  
To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.

**Brief outline of the course:**  
Basic pharmacology (pharmacokinetic and pharmacodynamic principles), factors influencing drug effects, routes of drug application.  
Special pharmacology including drugs affecting the autonomic nervous system, myorelaxants and ganglioplegic drugs, drugs affecting CNS (drugs used to treat psychiatric disorders, antiepileptics, antiparkinson drugs, hypnotics).

**Recommended literature:**  

**Course language:**  
English

**Notes:**

**Course assessment**  
Total number of assessed students: 728

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**Provides:** prof. MUDr. Ladislav Mirossay, DrSc., prof. MVDr. Ján Mojžiš, DrSc., PharmDr. Marek Šarišský, PhD., MUDr. Martina Čižmáriková, PhD., doc. MVDr. Martina Bago Pilátová, PhD., MUDr. Mária Giertlová, PhD.

**Date of last modification:** 03.05.2015
Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UFR/PM-GM1/14  
**Course name:** Pharmacology 1

### Course type, scope and the method:
- **Course type:** Lecture / Practice  
- **Recommended course-load (hours):**  
  - Per week: 3 / 2  
  - Per study period: 42 / 28  
- **Course method:** present

### Number of credits: 4

### Recommended semester/trimester of the course: 7.

### Course level: I.II.

### Prerequisites: UFZ/Ph-GM2/14

### Conditions for course completion:
- Written tests  
- Oral examination

### Learning outcomes:
To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.

### Brief outline of the course:
- Basic pharmacology (pharmacokinetic and pharmacodynamic principles), factors influencing drug effects, routes of drug application.  
- Special pharmacology including drugs affecting the autonomic nervous system, myorelaxants and ganglioplegic drugs, drugs affecting CNS (drugs used to treat psychiatric disorders, antiepileptics, antiparkinson drugs, hypnotics).

### Recommended literature:

### Course language:
- English

### Notes:

### Course assessment

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### Provides:
- prof. MUDr. Ladislav Mirossay, DrSc., prof. MVDr. Ján Mojišš, DrSc., PharmDr. Marek Šarišský, PhD., MUDr. Martina Čižmáriková, PhD., doc. MVDr. Martina Bago Piláťová, PhD., MUDr. Mária Gierloťová, PhD., MUDr. Zuzana Soláťová, PhD., MVDr. Martina Zigová, PhD.

### Date of last modification: 03.05.2015
# COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |

| Course ID: | UFR/PM-GM2/12 | Course name: | Pharmacology 2 |

**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 2 / 3
  - Per study period: 28 / 42
- **Course method:** present

Number of credits: 5

**Recommended semester/trimester of the course:** 8.

**Course level:** I.II.

**Prerequisites:** UFR/PM-GM1/14 and UPF/PP-GM1/16

**Conditions for course completion:**
- test
- exam

**Learning outcomes:**
To provide students with a comprehensive introduction to the fundamental Pharmacology and uses of the major classes of drugs currently used in medical practice.

**Brief outline of the course:**
Special pharmacology including:
- drugs affecting cardiovascular system and blood (antianginal drugs, drugs used to treat heart failure, diuretics, antihypertensive drugs, antidysrhythmic drug, hypolipidemics, peripheral vasodilators, anticoagulants and antiagregatory drugs, antianaemic drugs)
- drugs used to treat hormonal dysbalance (antidiabetics, drugs used to treat thyroid disorders, glucocorticoids, sex hormones)
- antimicrobial drugs (penicillins, cephalosporins, other antibiotics, antistaphylococcal antibiotics, sulfonamides, quinolones and antituberculotic drugs, antifungal, antiparasitic, antimalarial drugs, antiviral agents, immunomodulants)
- anticancer drugs
- clinically relevant drug interactions and drug toxicity

**Recommended literature:**

**Course language:**
ENGLISH

**Notes:**
## Course assessment

Total number of assessed students: 595

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**Provides:** prof. MVDr. Ján Mojžiš, DrSc., prof. MUDr. Ladislav Mirossay, DrSc., MUDr. Martina Čižmáriková, PhD., MUDr. Zuzana Solárová, PhD., doc. MVDr. Martina Bago Pilátová, PhD., PharmDr. Marek Šarišský, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
# COURSE INFORMATION LETTER

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<td>Course name:</td>
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<td>Recommended course-load (hours):</td>
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| Number of credits: | 2 |

| Recommended semester/trimester of the course: | 6. |

| Course level: | I.II. |

| Prerequisites: | UA/A-GM2/14 |

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<th>Conditions for course completion:</th>
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<td>Students are required to participate at all parts (100% participation). The exam will be in a written form. The course is assessed by an assessment mark. The mark reflects the quality of acquiring knowledge in accordance with the study subject objectives.</td>
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<table>
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<th>Learning outcomes:</th>
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<td>Prepare the students for the diagnostics, treatment and prevention of disabilities of all types and holistic approach to patient care, working with an interdisciplinary team of experts in many fields - nursing, physical therapy, occupational therapy, speech and language pathology, psychology, social work and others, help patients achieve their maximum functional capacity and highest quality of life.</td>
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<table>
<thead>
<tr>
<th>Brief outline of the course:</th>
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Course assessment
Total number of assessed students: 533

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Provides: doc. MUDr. Peter Takáč, PhD., mim. prof., MUDr. Anna Kubincová, PhD., PhDr. Magdaléna Hagovská, PhD.

Date of last modification: 07.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UFZ/Ph-GM1/14  
**Course name:** Physiology 1

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<td><strong>Recommended course-load (hours):</strong></td>
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| Per week: 3 / 4 / 1  
Per study period: 42 / 56 / 14 |
| **Course method:** present |

**Number of credits:** 8

**Recommended semester/trimester of the course:** 3.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**  
credit tests,

**Learning outcomes:**  
obtained credits

**Brief outline of the course:**  

**Recommended literature:**  
Guyton - Hall: Textbook of Medical Physiology  
M.Pallayová,Š.Kujaník: Textbook of practical physiology Part I. - Cardiovascular Physiology 2013

**Course language:**  
english

**Notes:**

**Course assessment**  
Total number of assessed students: 1429

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**Provides:** prof. MUDr. Viliam Donič, CSc., LUDr. Mária Pallayová, PhD., doc. RNDr. Pavol Švorc, CSc., RNDr. Soňa Grešová, PhD., RNDr. Judita Štimmelová, MUDr. Andrea Brandebugrová, MUDr. Martina Gáborová, MUDr. Igor Peregrim, PhD.

**Date of last modification:** 17.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course ID:** UFZ/Ph-GM2/14  
**Course name:** Physiology 2

**Course type, scope and the method:**  
**Course type:** Lecture / Practice / Controlled study hour  
**Recommended course-load (hours):**  
Per week: 3 / 4 / 1  
Per study period: 42 / 56 / 14  
**Course method:** present

**Number of credits:** 8

**Recommended semester/trimester of the course:** 4.

**Course level:** I.II.

**Prerequisites:** UFZ/Ph-GM1/14

**Conditions for course completion:**  
credit tests, practical exam, final written test, oral exam,

**Learning outcomes:**  
exam

**Brief outline of the course:**  

**Recommended literature:**  
Guyton - Hall: Textbook of Medical Physiology  

**Course language:**  
English

**Notes:**

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**Provides:** prof. MUDr. Viliam Donič, CSc., doc. MUDr. Mária Pallayová, PhD., doc. RNDr. Pavol Švorc, CSc., RNDr. Judita Štimmelová, RNDr. Soňa Grešová, PhD., MUDr. Andrea Brandeburová, MUDr. Martina Gáborová, MUDr. Igor Peregrim, PhD.

**Date of last modification:** 15.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: CJP/LFPSG/11  Course name: Practical Slovak Grammar

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 1  Per study period: 14
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 3., 5.
Course level: I.II.

Prerequisites: Dek. LF UPJŠ/SL-GM1/09 and Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:
Students must actively participate in the class. Max. 2 absences.
Continuous assessment is based on one written test and one oral presentation, a minimum overall average of 60% is required.
There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%. In the event of failure to attain the limit, the examination procedure is not permitted and the student is graded FX - failed at the end of teaching in the respective semester.
Final assessment is based on one written exam.
Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%

Learning outcomes:
Students with acquired skills of Slovak grammar are able to participate effectively in a variety of common situations of everyday communication.

Brief outline of the course:
Past Tense – Regular, Irregular Verbs and Modal Verbs.
Verbs brať, vziať, pozrieť sa, minúť.
Possessive Pronoun svoj. Possessive Adjectives and Pronouns.
Comparison of Adjectives and Adverbs.
Adjective Classification According to the Paradigms pekný and cudzí.
Comparison of Adjectives and Adverbs - Review.
Genitive Case - Substantives, Adjectives and Pronouns.
Dative Case - Substantives, Adjectives and Pronouns.
Comparison of Verbs mať rád and páčiť sa.
Deagentive Verbs.
Imperative.
Indirect Speech.
Active and Passive Participles.
Aspect of Verbs.
Future Tense.

Recommended literature:

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| Notes:                  |                        |

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| Provides:               | Mgr. Veronika Pálová |

| Date of last modification: | 31.01.2017 |

| Approved:                | prof. MUDr. Daniel Pella, PhD. |
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | CJP/LFPAGM/16 |
| Course name: | Praktická anglická gramatika pre medikov |

Course type, scope and the method:
- Course type: Practice
- Recommended course-load (hours):
  - Per week: 2
  - Per study period: 28
- Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 2., 4.

Course level: I.II.

Prerequisities: KROKF/LFMT/07

Conditions for course completion:

Learning outcomes:

Brief outline of the course:
- Irregular verbs
- Passive voice
- Prepositions

Recommended literature:

Course language:

Notes:

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Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD.

Date of last modification: 01.02.2017

Approved: prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

<table>
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<th><strong>Course ID:</strong> CJP/LFPE/11</th>
<th><strong>Course name:</strong> Presentations in English</th>
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**Course type, scope and the method:**  
**Course type:** Practice  
**Recommended course-load (hours):**  
Per week: 1  
Per study period: 14  
**Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.II.

**Prerequisites:** KROKF/LFMT/07

**Conditions for course completion:**  
1 test, oral presentations self-presentation, product/person presentation, conference presentation, case presentation)  
active participation, max. 1 absence  
A minimum final overall average of 65 percent is required. Students with a final overall average lower than 65 percent are not allowed to register for the final oral exam, i.e. their final grade is FX. oral exam - case presentation  
Final assessment is based on the results of oral exam (50%) and continuous assessment (50%).  
Scale: A 93-100 %, B 85-92 %, C 77-84 %, D 69-76 %, E 60-68 %, FX 59% a menej.

**Learning outcomes:**  
Development of professional vocabulary with focus on medical English and language of oral presentations in the academic and medical environment, enhancement of presentation skills.

**Brief outline of the course:**  
Types of presentations  
Language of presentations  
Conference presentations  
Poster presentation  
Structure of presentations  
Presentation of data  
Case presentation  
Selected grammar (prepositional phrases, collocations, etc.)

**Recommended literature:**  
Armer, T.: Cambridge English for Scientists. CUP, 2011

**Course language:**
B1-B2 level according to CERF

Notes:

**Course assessment**
Total number of assessed students: 153

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**Provides:** PhDr. Helena Petruňová, CSc.

**Date of last modification:** 01.02.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: IK/PM-GM/09 | Course name: Preventive Medicine

Course type, scope and the method:
Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 1 / 1 Per study period: 14 / 14

Course method: present

Number of credits: 1

Recommended semester/trimester of the course: 8.

Course level: I.II.

Prerequisites: IK/IM-GM2/14

Conditions for course completion:
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Test, 30 questions, needs to achieve 60%
3. Appreciation of the knowledge during classes by the teacher

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 526

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Provides: prof. MUDr. Pavol Jarčuška, PhD., prof. MUDr. Daniel Pella, PhD., MUDr. Ivan Majerčák, MUDr. Peter Horváth, MUDr. Božena Nováková, PhD., doc. MUDr. Želmira Macejová, PhD., MPH, mim. prof., prof. MUDr. Jozef Pella, PhD., prof. MUDr. Ivica Lazúrová, DrSc., FRCP, doc. MUDr. Ivana Valočíková, PhD., doc. MUDr. Peter Jarčuška, PhD., mim. prof., doc. MUDr.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: 1. PK/PT-GM1/15  Course name: Psychiatry 1

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 2 Per study period: 28 / 28
Course method: present

Number of credits: 2
Recommended semester/trimester of the course: 8.
Course level: I.II.
Prerequisites: 1. PK/PMC-GM/16

Conditions for course completion:
Learning outcomes:
- to learn about the content of the subject, etiology and pathophysiology of mental disorders, psychopathology, principles of classification in psychiatry, syndromology of mental disorders, diagnosis and treatment of mental disorders and with the stress on communication with mentally ill patients

Brief outline of the course:
- psychiatry - history of psychiatry and its content
- etiology and pathophysiology
- psychopathology, signs and symptoms of mental disorders /disturbances of perception, mood, thinking, memory, motor activity and behavior, intelligence, consciousness and attention, personality/
- diagnosis in psychiatry
- syndroms of mental disorders
- principles of classification in clinical psychiatry
- treatment of mental disorders
- legal and ethical aspects considering psychiatric patients
- communication with mentally ill patients – training of communication’s skills

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 572

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**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** 1. PK/PT-GM2/15  
**Course name:** Psychiatry 2  

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 2 / 2  
Per study period: 28 / 28  
**Course method:** present

**Number of credits:** 4

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** 1. PK/PT-GM1/15

**Conditions for course completion:**

**Learning outcomes:**  
To build up student’s skills on basic diagnostics, differential diagnosis and principles of therapy of specific groups of mental disorders, principles of first aid in psychiatry. He/she has been taught about legal status of mentally ill. Student fulfils requirements for communication with mentally ill patients and communication with another specialists and psychiatrists.

**Brief outline of the course:**  
- schizophrenia and schizophrenia - like disorders  
- mood disorders  
- organic and symptomatic mental disorders, cognitive disorders  
- reactive (stress-related) mental disorders, anxiety, obsessive - compulsive, somatoform and dissociative disorders,...  
- alcoholism and other substance use disorders  
- mental disorders of childhood and adolescence  
- geriatric psychiatry  
- personality disorders  
- psychiatric sexology  
- emergency psychiatry, first aid in psychiatry  
- biological treatment in psychiatry  
- psychopharmacology  
- psychotherapy, psychoeducation, rehabilitation in psychiatry  
- social psychiatry  
- legal and ethical principles in psychiatry

**Recommended literature:**  
2. Charles B. Nemerooff,Md,PhD, Alan F.Schatzberg,Md: Recognition and Treatment of Psychiatric Disorders A Psychopharmacology Handbook for Primary Care

**Course language:**
## Course assessment
Total number of assessed students: 531

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**Provides:** doc. MUDr. Ivan Dóci, PhD., MUDr. Dagmar Breznoščáková, Ph.D., Mgr. MUDr. Jozef Dragašek, PhD., MHA, MUDr. Aneta Bednářová, PhD., MUDr. Jana Vančíková, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course name:</strong></td>
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| **Course type, scope and the method:** |
| **Course type:** | Lecture / Practice |
| **Recommended course-load (hours):** |
| **Per week:** | 1 / 2 | **Per study period:** | 14 / 28 |
| **Course method:** | present |

| **Number of credits:** | 2 |

| **Recommended semester/trimester of the course:** | 6. |

| **Course level:** | I.II. |

| **Prerequisites:** |

| **Conditions for course completion:** |

| **Learning outcomes:** |
| Get knowledge in basic psychological terminology, stressing clinical psychology, and its application in different medical settings. Basic orientation in main theories of personality and models of psychopathology. Psychodiagnostics and its use in clinical practice in specific medical situations, considering specific mental health changes. Psychotherapy – gain orientation in basic psychotherapeutic approaches, in basic psychotherapeutic methods. Possibilities and limits of psychotherapy in medical specializations. Bio-psycho-social model of health and illness. Psychosomatic disorders and their management. Theoretical and practical knowledge of principles of effective verbal and nonverbal communication in general, as well as their implementation in difficult interpersonal situations (partner, professional relationships, relationship patient-physician, physician-patient’s relative). |

| **Brief outline of the course:** |
| - Psychology as a profession, theoretical and application disciplines, clinical psychologist as a member of the diagnostic and therapeutic team |
| - Problem of personality, main theories of personality, and main models of psychopathology. The problem of normality |
| - Psychodiagnostics – basic methods used in clinical practice, their indication and practical contribution in the process of treatment |
| - Psychotherapy – main theories and schools. Basic methods of psychotherapy. Indications of psychotherapy considering the specific disorder. |
| - Bio-psycho-social model of illness and health, psychosomatic disorders, behavioral medicine, psychohygiene. |
| - Verbal and nonverbal communication, principles of effective communication. Management of difficult situations in medical practice. |

| **Recommended literature:** |

| **Course language:** |

| **Notes:** |
**Course assessment**

Total number of assessed students: 931

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**Provides:** PhDr. Martina Chylová, PhD., PhDr. Milana Kovaničová, CSc., Mgr. Lívia Radoňaková

**Date of last modification:** 05.05.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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### Course type, scope and the method:
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

### Number of credits: 2

### Recommended semester/trimester of the course: 9.

### Course level: I.II.

### Prerequisites: 1. PK/PMC-GM/16 and UFZ/Ph-GM2/14

### Conditions for course completion:

#### Learning outcomes:

#### Brief outline of the course:
- Psychotherapy as profession, its history and development
- Psychotherapeutic methods – interview, dialog, training
- Indications of psychotherapy (psychiatry, other medical settings)
- Relaxation and hypnosis
- Psychological transfer in medicine

#### Recommended literature:

### Course language:

### Notes:

### Course assessment
Total number of assessed students: 152

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### Provides:
MUDr. Dagmar Breznoščáková, Ph.D., Mgr. MUDr. Jozef Dragašek, PhD., MHA, PhD.
Milana Kovaničová, CSc., PhDr. Martina Chylová, PhD.

### Date of last modification: 10.02.2016

### Approved: prof. MUDr. Daniel Pella, PhD.
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**Course assessment**

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**Provides:** doc. MUDr. Ján Lepej, CSc., MUDr. Tatiana Taševa, doc. MUDr. Tatiana Jurgová, CSc., MUDr. Peter Mach, CSc.

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
### COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 1

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** KRNM/R-GM/14 and KRNM/NM-GM/14

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 518

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**Provides:** MUDr. Igor Andrašina, CSc., MUDr. Valér Kováč, PhD.

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 1
  - Per study period: 14 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 10.

**Course level:** I.II.

**Prerequisites:** KRO/RCO-GM1/14

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 395

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**Provides:** MUDr. Valér Kováč, PhD., MUDr. Igor Andrašina, CSc.

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
### COURSE INFORMATION LETTER

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#### Course type, scope and the method:
- **Course type:** Practice  
- **Recommended course-load (hours):**  
  - Per week: 30s  
  - Per study period: 30s  
- **Course method:** present

#### Number of credits: 2

#### Recommended semester/trimester of the course: 7.

#### Course level: I.II.

#### Prerequisites:

#### Conditions for course completion:

#### Learning outcomes:

#### Brief outline of the course:

#### Recommended literature:

#### Course language:

#### Notes:

#### Course assessment

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**Provides:** Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Alexandra Husivargová, Mgr. Vladimíra Timková

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
### COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** Dek. LF UPJŠ/SDT-GM2/12  
**Course name:** Seminar of Diploma Thesis 2  

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**Number of credits:** 2  

**Recommended semester/trimester of the course:** 8.  

**Course level:** I.II.  

**Prerequisites:**  

**Conditions for course completion:**  

**Learning outcomes:**  

**Brief outline of the course:**  

**Recommended literature:**  

**Course language:**  

**Notes:**  

### Course assessment  
Total number of assessed students: 521

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**Provides:**  

**Date of last modification:**  

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: Dek. LF | Course name: Seminar of Diploma Thesis 3 |
| UPJŠ/SDT-GM3/12 |

Course type, scope and the method:
Course type: Practice

Recommended course-load (hours):
Per week: Per study period: 50s

Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 9.

Course level: I.II.

Prerequisites:

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 476

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Provides: doc. MUDr. Ján Lepej, CSc., MUDr. Marek Pytliak, PhD.

Date of last modification:

Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** Dek. LF UPJŠ/SDT-GM4/12  
**Course name:** Seminar of Diploma Thesis 4  
**Course type, scope and the method:**  
- **Course type:** Practice  
- **Recommended course-load (hours):**  
  - Per week: 50s  
  - Per study period:  
- **Course method:** present  
**Number of credits:** 2  
**Recommended semester/trimester of the course:** 10.  
**Course level:** I.II.  
**Prerequisites:**  
**Conditions for course completion:**  
**Learning outcomes:**  
**Brief outline of the course:**  
**Recommended literature:**  
**Course language:**  
**Notes:**  
**Course assessment**  
Total number of assessed students: 388  
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**Provides:** doc. MUDr. Ján Lepej, CSc.  
**Date of last modification:**  
**Approved:** prof. MUDr. Daniel Pella, PhD.
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice

**Recommended course-load (hours):**
- **Per week:** 0 / 4
- **Per study period:** 0 / 56
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**
Students must actively participate in the class. Max. 4 absences. Final assessment is based on 2 tests (6th/7th week and 12th/13th week), a minimum overall average of 60% is required (1st test + 2nd test = final result). There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%

**Learning outcomes:**
Students achieve basic language skills with the focus on the communication in selected general and medical topics - language level A1.1.

**Brief outline of the course:**
Human Body.
At the Hospital. Health Care Professionals.
Doctor - Patient Communication.
My Family.
In the Town.
Medical Faculty, Dormitory, Accommodation.
Numerals (0 – 100). Days of the Week.
Personal Pronouns. Nouns – Grammatical Gender.
Verbs - Conjugation in Present Tense.

**Recommended literature:**
Džuganová, B. a kol.: Lekárskia slovenčina pre zahraničných študentov. Bratislava: Univerzita Komenského 2013

**Course language:**
English B1

**Notes:**

**Course assessment**
Total number of assessed students: 1792

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**Provides:** Oksana Humenna, CSc., PhDr. Lucia Tóthová, Mgr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, Mgr. Veronika Pálová

**Date of last modification:** 24.01.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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<tr>
<td>Course ID:</td>
<td>Dek. LF UPJŠ/SL-GM2/15</td>
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<tr>
<td>Course name:</td>
<td>Slovak Language 2</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 4
  - Per study period: 0 / 56
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I.II.

**Prerequisites:** Dek. LF UPJŠ/SL-GM1/09

**Conditions for course completion:**
- Students must actively participate in the class. Max. 4 absences.
- Final assessment is based on 2 tests (6th/7th week and 12th/13th week), a minimum overall average of 60% is required (1st test + 2nd test = final result).
- There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%.
- Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%
  - oral exam
- Final assessment is based on results of oral exam (50%) and tests (50%).

**Learning outcomes:**
- Students are able to communicate with patients, ask questions; and give advice, etc.
- Students use basic communication skills in Slovak for shopping, everyday life in the city, etc.
- Language level A1.1 - A1.2

**Brief outline of the course:**

**Recommended literature:**
## Notes:

### Course assessment

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Total number of assessed students: 1492

**Provides:** Oksana Humenna, CSc., PhDr. Lucia Tóthová, Mgr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, Mgr. Veronika Pálová

**Date of last modification:** 24.01.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Conditions for course completion:</strong></td>
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<td>Students must actively participate in the class. Max. 2 absences. Final assessment is based on 2 tests (6th/7th week and 12th/13th week), a minimum overall average of 60% is required (1st test + 2nd test = final result). There is an opportunity to write a course test in a week 14 in case of a fail to reach the minimum of 60%. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0%</td>
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<td><strong>Learning outcomes:</strong></td>
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<td>Students are able to communicate with patients, ask questions; give advice or instructions - language level A1.2</td>
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<td><strong>Brief outline of the course:</strong></td>
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<td><strong>Recommended literature:</strong></td>
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<td>Odporúčaná literatúra:</td>
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<td>Džuganová, B. a kol.: Lekárska slovenčina pre zahraničných študentov. Bratislava: Univerzita Komenského 2013</td>
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<td><strong>Course language:</strong></td>
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<td>English B1, slovak A1.1- A1.2</td>
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## Course assessment

Total number of assessed students: 1334

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**Provides:** Oksana Humenna, CSc., Mgr. Lívia Barnišinová, PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, Mgr. Veronika Pálová, PhDr. Lucia Tóthová

**Date of last modification:** 24.01.2017

**Approved:** prof. MUDr. Daniel Pella, PhD.
**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** Dek. LF UPJŠ/SL-GM4/15  
**Course name:** Slovak Language 4

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<td><strong>Recommended course load (hours):</strong></td>
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**Number of credits:** 1

**Recommended semester/trimester of the course:**

**Course level:** I.II.

**Prerequisites:** Dek. LF UPJŠ/SL-GM3/15

**Conditions for course completion:**
Students must actively participate in the class. Max. 2 absences. Final assessment is based on 2 tests (6th/7th week and 12th/13th week), a minimum overall average of 60% is required (1st test + 2nd test = final result). There is an opportunity to write a course test in week 14 in case of a fail to reach the minimum of 60%. Scale: A 100-93% B 92-85% C 84-77% D 76-69% E 68-60 % FX 59-0% - oral exam. Final assessment is based on results of oral exam (50%) and tests (50%).

**Learning outcomes:**
Students are able to communicate with patients on basic level at selected hospital departments. Language level A2.1

**Brief outline of the course:**
Health Problems.  
Case History.  
At the Emergency Department.  
Infectious Diseases - Hepatitis.  
Cardio - Vascular Diseases.  
Neurological Examination.  
Gastroenterological Examination.  

**Recommended literature:**
http://slovniky.korpus.sk/
Course language:  
English level B2/ Slovak level A1.2

Notes:

Course assessment  
Total number of assessed students: 1030

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Provides: Mgr. Lívia Barnišinová, Oksana Humenna, CSc., PhDr. Beáta Jurečková, PhD., Ing. Mgr. Ingrid Madárová, Mgr. Veronika Pálová, PhDr. Lucia Tóthová

Date of last modification: 24.01.2017

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

Course ID: CJP/LFSM/16
Course name: Slovenčina v medicine

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2
Per study period: 28
Course method: present

Number of credits: 2

Recommended semester/trimester of the course: 4., 6.

Course level: I.II.

Prerequisites: Dek. LF UPJŠ/SL-DM2/15 or Dek. LF UPJŠ/SL-GM2/15

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 0

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Provides: PhDr. Helena Petruňová, CSc.

Date of last modification:

Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 1 / 2
  - Per study period: 14 / 28
- **Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 2.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Pavol Mikula, PhD., Mgr. Vladimíra Timková, MUDr. Zuzana Katreniaková, PhD.

**Date of last modification:** 14.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine

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**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
**Per week:** 1 / 2  
**Per study period:** 14 / 28  
**Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**  
Total number of assessed students: 780

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**Provides:** MUDr. Zuzana Katreniaková, PhD., Mgr. Markéta Lachytová, Mgr. Pavol Mikula, PhD., Mgr. Iveta Rajničová Nagyová, PhD., Mgr. Vladimíra Timková, Mgr. Alexandra Husivargová

**Date of last modification:** 14.09.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine
Course ID: ÚTVŠ/TVa/11  Course name: Sports Activities I.

Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 2  Per study period: 28
Course method: present

Number of credits: 2
Recommended semester/trimester of the course: 1.
Course level: I., I.II., II.
Prerequisites:

Conditions for course completion:
Learning outcomes:
Brief outline of the course:
Recommended literature:
Course language:

Notes:

Course assessment
Total number of assessed students: 9176

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Provides: doc. PhDr. Ivan Šulc, CSc., Mgr. Zuzana Kúchelová, Mgr. Peter Bakalár, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Dávid Kaško, Mgr. Aurel Zelko, PhD., Mgr. Dana Dračková, PhD., Marcel Čurgali, PaedDr. Jana Potočníková, PhD.

Date of last modification: 03.05.2015

Approved: prof. MUDr. Daniel Pella, PhD.
## COURSE INFORMATION LETTER

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<td><strong>Course ID:</strong></td>
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<td><strong>Course name:</strong></td>
<td>Sports Activities II.</td>
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### Course type, scope and the method:
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

### Number of credits: 2

### Recommended semester/trimester of the course: 2.

### Course level: I., I.II., II.

### Prerequisites:

### Conditions for course completion:

### Learning outcomes:

### Brief outline of the course:

### Recommended literature:

### Course language:

### Notes:

### Course assessment

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### Provides:
doc. PhDr. Ivan Šulc, CSc., Mgr. Zuzana Küchelová, doc. PaedDr. Ivan Uher, PhD., Mgr. Peter Bakalár, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Dávid Kaško, Mgr. Aurel Zelko, PhD., Mgr. Dana Dračková, PhD., Marcel Čurgali, PaedDr. Jana Potočníková, PhD.

### Date of last modification: 03.05.2015

### Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| **Course ID:** | ÚTVŠ/TVc/11 | **Course name:** Sports Activities III. |

**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 3., 5., 7., 9.

**Course level:** I., I.II., II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 5427

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**Provides:** doc. PhDr. Ivan Šulc, CSc., Mgr. Zuzana Küchelová, doc. PaedDr. Ivan Uher, PhD., Mgr. Peter Bakalár, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Dávid Kaško, Mgr. Aurel Zelko, PhD., Mgr. Dana Dračková, PhD., Marcel Čurgali, PaedDr. Jana Potočníková, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course name:</strong></td>
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**Course type, scope and the method:**
- **Course type:** Practice
- **Recommended course-load (hours):**
  - Per week: 2
  - Per study period: 28
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 4., 6., 8., 10.

**Course level:** I., I.II., II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 3898

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**Provides:** doc. PhDr. Ivan Šulc, CSc., Mgr. Zuzana Küchelová, Mgr. Peter Bakalár, PhD., doc. PaedDr. Ivan Uher, PhD., Mgr. Agata Horbacz, PhD., Mgr. Marek Valanský, prof. RNDr. Stanislav Vokál, DrSc., Mgr. Lucia Kršňáková, PhD., Mgr. Dávid Kaško, Mgr. Aurel Zelko, PhD., Mgr. Dana Dračková, PhD., Marcel Čurgali, PaedDr. Jana Potočníková, PhD.

**Date of last modification:** 03.05.2015

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | 1. IK/SM-GM/16 |
| Course name: | Sports Medicine |

**Course type, scope and the method:**
- Course type: Lecture / Practice

**Recommended course-load (hours):**
- Per week: 1 / 1
- Per study period: 14 / 14

**Course method:** present

**Number of credits:** 1

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:** IK/IM-GM1/16

**Conditions for course completion:**
1. Attendance confirmed in the student’s book, possible two absences, more needs to compensate
2. Test, 30 questions, needs to achieve 60%
3. Appreciation of the knowledge during classes by the teacher

**Learning outcomes:**

**Brief outline of the course:**
Introduction to sports medicine, organization, support at athletic events. Physiological aspects of exercise, energy metabolism. Physiological aspects of nutrition, sports nutrition. Aerobic threshold, anaerobic threshold, lactate curve. Sports traumatology – most frequent injuries, specific aspects of sports trauma, treatment, rehabilitation, prevention. Doping, doping control. Recreational sports activities, prescription of exercise in civilization diseases

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

| Total number of assessed students: 700 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| abs             | abs-A           | abs-B           | abs-C           | abs-D           | abs-E           | neabs           |
| 82.29           | 16.43           | 0.0             | 0.0             | 0.0             | 1.29            | 0.0             |

**Provides:** prof. MUDr. Daniel Pella, PhD., MUDr. Peter Horváth

**Date of last modification:** 30.09.2016
**COURSE INFORMATION LETTER**

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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 2
  - Per study period: 0 / 28
- **Course method:** present

**Number of credits:** 4

**Recommended semester/trimester of the course:** 3., 4.., 5., 6.., 7., 8.., 9., 10..

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- Total number of assessed students: 27
  - abs: 96.3
  - abs-A: 3.7
  - abs-B: 0.0
  - abs-C: 0.0
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  - abs-E: 0.0
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**Provides:**

**Date of last modification:**

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td>prof. MUDr. Daniel Pella, PhD.</td>
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University: P. J. Šafárik University in Košice

Faculty: Faculty of Medicine

Course ID: ChK/S-GM1/16  Course name: Surgery 1

Course type, scope and the method:

Course type: Lecture / Practice

Recommended course-load (hours):
Per week: 2 / 2  Per study period: 28 / 28

Course method: present

Number of credits: 3

Recommended semester/trimester of the course: 6.

Course level: I.II.

Prerequisities: ChK/SP-GM/15

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment

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Provides: doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Jana Kaťuchová, PhD., MUDr. Štefan Gajdžík, PhD., MUDr. Marek Vargovčák, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Válko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MUDr. Tomáš Gajdžík, PhD.

Date of last modification: 07.03.2016

Approved: prof. MUDr. Daniel Pella, PhD.
**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** ChK/S-GM2/09  
**Course name:** Surgery 2

**Course type, scope and the method:**  
**Course type:** Lecture / Practice  
**Recommended course-load (hours):**  
Per week: 2 / 2  
Per study period: 28 / 28  
**Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 7.

**Course level:** I.II.

**Prerequisites:** ChK/S-GM1/16 and UP/PA-GM1/14

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

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**Provides:** MUDr. Lucia Lakyová, PhD., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, doc. MUDr. Jana Kaťuchová, PhD., prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Váňko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Tomáš Gajdzík, PhD., MUDr. Tomáš Hildebrand, PhD., MUDr. Róbert Kilík, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ivan Kováč, PhD., MUDr. Mária Kubíková, PhD., MUDr. Vladimir Sihotský, PhD., MUDr. Peter Pažinka, PhD., MPH, MUDr. Pavel Staško, PhD., MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., MUDr. Adrián Kolesár, PhD., MPH, MUDr. Martin Ledecký, MUDr. Lucia Mistríková, doc. MUDr. František Sabol, PhD., MPH, MUDr. Tomáš Toporcer, PhD.

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | ChK/S-GM3/16 | Course name: Surgery 3 |
| Course type, scope and the method: |  |
| Course type: | Lecture / Practice |
| Recommended course-load (hours): |  |
| Per week: | 2 / 2 Per study period: | 28 / 28 |
| Course method: | present |
| Number of credits: | 2 |
| Recommended semester/trimester of the course: | 8. |
| Course level: | I.II. |
| Prerequisites: | ChK/S-GM2/09 |
| Conditions for course completion: |  |
| Learning outcomes: |  |
| Brief outline of the course: |  |
| Recommended literature: |  |
| Course language: |  |
| Notes: |  |

**Course assessment**

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**Provides:** prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, doc. MUDr. Jana Kaťuchová, PhD., prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaňko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šuďák, PhD., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Ugurbas, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Tomáš Gajdzík, PhD.

**Date of last modification:** 07.03.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Medicine

**Course ID:** ChK/S-GM4/09  **Course name:** Surgery 4 (Neurosurgery, Orthopedics)

**Course type, scope and the method:**

- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 2 / 2
  - Per study period: 28 / 28
- **Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisities:** ChK/S-GM3/16

**Conditions for course completion:**

solution of the problems, test

**Learning outcomes:**

Neurosurgery, orthopedics

Students will acquire basic knowledge of investigative methodologies in orthopedics. They will learn the diagnosis and treatment of inflammatory, degenerative and metabolic diseases of the bone system. It is important to manage the diagnostic and treatment of primary and secondary tumors of the axial skeleton. Students will learn the basics of rehabilitation and assessment activities in the field of orthopedic surgery. It is crucial to obtain information about the symptoms and treatment of intracranial hypertension diagnosis and determination of brain death, which is important for the possibility of organ transplantation. Findings of birth defects of the nervous system similar to the diagnosis and treatment of head and spinal injuries are an essential range of what the student obtains at this semester. Diagnosis and treatment of tumors of the nervous system, as well as using of radioinvasive procedures in neurosurgery are necessary, which must be controlled after completing each section of the course.

**Brief outline of the course:**


**Recommended literature:**


Course language:
English, Slovak

Notes:

Course assessment
Total number of assessed students: 505

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Provides: doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Jana Kaťuchová, PhD., MUDr. Štefan Komár, PhD., MUDr. Marek Vargovčák, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbulčák, doc. MUDr. Michal Valko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babik, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Teodor Kluka, PhD., MUDr. Martina Vidová Úgurbas, PhD., MUDr. Ivan Kováč, PhD.

Date of last modification: 11.02.2016

Approved: prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course name:</strong></td>
<td>Surgery 5 (Trauma Surgery, Urology)</td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 2 / 2
  - Per study period: 28 / 28
- **Course method:** present

**Number of credits:** 3

**Recommended semester/trimester of the course:** 10.

**Course level:** I.II.

**Prerequisites:** ChK/S-GM4/09

**Conditions for course completion:**
- solution of the problems, test

**Learning outcomes:**
Trauma surgery, urology
Students will acquire knowledge of the diagnosis and treatment of traumatic brain injury and spinal cord injury often simultaneously with chest injuries. Also important are the knowledge acquired in the abdomen and retroperitoneal injury, especially for its relative rarity. Frequently occurring musculoskeletal injuries, which is important to proper diagnosis and treatment. The student has to know the life-threatening symptoms of compartment syndrome and other rarely occurring due to injuries / Crush syndrome, algodystrophic syndrome, etc. /. In the field of urology is the result of learning the knowledge of the occurrence of urogenital anomalies syndrome. It is important to gain knowledge about the relatively frequently occurring inflammatory diseases in this area. Students master the diagnosis and treatment of calculous disease of the urinary system. In terms of incidence of diseases of the prostate is a common disability - whether benign hyperplasia or tumors, thus acquiring knowledge about the disease is extremely important. Similarly, the student must control the symptoms and treatment of injuries of the urogenital system, although they occur less frequently.

**Brief outline of the course:**

**Recommended literature:**

Course language:
English, Slovak

Notes:
Course assessment
Total number of assessed students: 380

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Provides: doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., prof. MUDr. Mária Frankovičová, PhD., prof. MUDr. Miroslav Kitka, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, prof. MUDr. Igor Šulla, DrSc., prof. MUDr. Ladislav Valanský, PhD., doc. MUDr. Gabriel Vaško, CSc., prof. MUDr. Vincent Nagy, PhD., doc. MUDr. Jozef Výrostko, CSc., doc. MUDr. Jana Kaťuchová, PhD., MUDr. Ľubomír Lachváč, PhD., MUDr. Marek Vargovčák, prof. MUDr. Juraj Bober, CSc., MUDr. Pavol Harbuľák, doc. MUDr. Michal Vaľko, PhD., MUDr. Marián Kudláč, MUDr. Milan Šudák, PhD., MUDr. Ján Babík, CSc., doc. MUDr. Radoslav Morochovič, PhD., MUDr. Andrej Vrzgula, PhD., MUDr. Marek Lacko, PhD., MUDr. Milan Stebnický, PhD., MUDr. Marianna Zábavníková, PhD., MUDr. Róbert Šimon, PhD., MPH, MUDr. Štefan Ivanecký

Date of last modification: 11.02.2016

Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice
Faculty: Faculty of Medicine

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Course type, scope and the method:
Course type: Practice
Recommended course-load (hours):
Per week: 280s
Course method: present

Number of credits: 12

Recommended semester/trimester of the course: 11., 12..

Course level: I.II.

Prerequisites: ChK/S-GM5/09 and KRO/RCO- GM2/14

Conditions for course completion:

Learning outcomes:

Brief outline of the course:

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 332

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Provides: prof. MUDr. Mária Frankovičová, PhD., MUDr. Štefan Ivanec̆ky, doc. MUDr. Jana Kaťuchová, PhD., MUDr. Róbert Kilik, PhD., MUDr. Mária Kubíková, PhD., MUDr. Lucia Laková, PhD., MUDr. Vladimír Sihotský, PhD., doc. MUDr. Marek Šoltés, PhD., MUDr. Ján Babík, CSc., prof. MUDr. Juraj Bober, CSc., MUDr. Izabela Bosznayová, doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., MUDr. Tomáš Gajdzík, PhD., MUDr. Pavol Harbul'ák, MUDr. Tomáš Hildebrand, PhD., MUDr. Rastislav Kalanín, PhD., prof. MUDr. Miroslav Kitka, PhD., MUDr. Teodor Kluka, PhD., MUDr. Ivan Kováč, PhD., MUDr. Marián Kudláč, MUDr. Lubomír Lachváč, PhD., MUDr. Marek Lacko, PhD., doc. MUDr. Radoslav Morochovič, PhD., prof. MUDr. Vincent Nagy, PhD., prof. MUDr. Jozef Radoňak, CSc., MPH, MUDr. Pavel Staško, PhD., MUDr. Milan Stebnický, PhD., prof. MUDr. Ladislav Valanský, PhD., MUDr. Marek Vargovčák, doc. MUDr. Michal Vaľko, PhD., doc. MUDr. Gabriel Vaško, CSc., MUDr. Martina Vidová Ugurbas, PhD., MUDr. Andrej Vrzgula, PhD., doc. MUDr. Jozef Výrostko, CSc., MUDr. Martina Zavacká, PhD., MUDr. Róbert Simon, PhD., MPH, MUDr. Milan Šudák, PhD., prof. MUDr. Igor Šulla, DrSc., doc. MUDr. Jozef Firment, PhD., MUDr. Adrián Košťár, PhD., MPH, MUDr. Martin Ledecký, MUDr. Lucia Mistrikošová, MUDr. Štefánia Mižáková, doc. MUDr. František Sabol, PhD., MPH, MUDr. Tomáš Toporcer, PhD.

Date of last modification: 03.05.2015
## COURSE INFORMATION LETTER

| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| Course ID: | ChK/SP-GM/15 |
| Course name: | Surgery - Propedeutics |

### Course type, scope and the method:
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 2 / 2
  - Per study period: 28 / 28
- **Course method:** present

### Number of credits:
- 5

### Recommended semester/trimester of the course:
- 5.

### Course level:
- I.II.

### Prerequisites:
- UHE/HE-GM2/13 and UA/A-GM2/14

### Conditions for course completion:

### Learning outcomes:

### Brief outline of the course:

### Recommended literature:

### Course language:

### Notes:

### Course assessment

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### Provides:
- MUDr. Vladimír Sihotský, PhD., doc.
- MUDr. Miroslav Gajdoš, CSc., mim.prof., prof.
- MUDr. Jozef Radoňak, CSc., MPH, prof.
- MUDr. Igor Šulla, DrSc., prof.
- MUDr. Mária Frankovičová, PhD., prof.
- MUDr. Ladislav Valanský, PhD., prof.
- MUDr. Miroslav Kitka, PhD., doc.
- MUDr. Gabriel Vaško, CSc., prof.
- MUDr. Vincent Nagy, Ph.D., doc.
- MUDr. Jozef Výrostko, CSc., doc.
- MUDr. Jana Kaťuchová, PhD., doc.
- MUDr. Radoslav Morochovič, PhD., prof.
- MUDr. Juraj Bober, CSc., MUDr.
- Ján Babík, CSc., MUDr.
- Marián Kudláč, doc.
- MUDr. Michal Valčko, PhD., MUDr.
- Milan Stebnický, PhD., MUDr.
- Marianna Zábavniková, PhD., MUDr.
- Andrej Vrzgula, PhD., MUDr.
- Lubomír Lachváč, PhD., MUDr.
- Milan Šudák, PhD., MUDr.
- Róbert Šimon, PhD., MPH, MUDr.
- Marek Lacko, PhD., MUDr.
- Pavol Harbuľák, MUDr.
- Marek Vargovčák, MUDr.
- Izabela Bosznayová, MUDr.
- Tomáš Gajdzík, PhD., MUDr.
- Tomáš Hildebrand, PhD., MUDr.
- Rastislav Kalanin, PhD., MUDr.
- Róbert Kilik, PhD., MUDr.
- Lucia Lakyová, Ph.D., doc.
- MUDr. Marek Šoltés, PhD., MUDr.
- Diana Tomašurová, MUDr.
- Mária Kubíková, PhD., MUDr.
- Pavel Staško, PhD., MUDr.
- Martina Zavacká, PhD., MUDr.
- Teodor Kluka, PhD., MUDr.
- Martina Vidová Uğurbas, PhD., MUDr.
- Ivan Kováč, PhD., MUDr.
- Peter Berek, PhD., MUDr.
- Adrián Kolesár, PhD., MPH, MUDr.
- Martin Ledecký, MUDr.
- Lucia Mistriková, MUDr.
- Štefánia Mižáková, doc.
- MUDr. František Sabol, PhD., MPH, MUDr.
- Tomáš Toporcer, PhD.

### Date of last modification:

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Page: 203
Approved: prof. MUDr. Daniel Pella, PhD.
COURSE INFORMATION LETTER

<table>
<thead>
<tr>
<th>University:</th>
<th>P. J. Šafárik University in Košice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty:</td>
<td>Faculty of Medicine</td>
</tr>
<tr>
<td>Course ID:</td>
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<tr>
<td>Course type, scope and the method:</td>
<td>Course type: Lecture / Practice</td>
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<tr>
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<td>Recommended course-load (hours):</td>
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<tr>
<td>Prerequisities:</td>
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<td>Conditions for course completion:</td>
<td></td>
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<tr>
<td>Learning outcomes:</td>
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<tr>
<td>Brief outline of the course:</td>
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<tr>
<td>Recommended literature:</td>
<td></td>
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<td>Course language:</td>
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<td>Notes:</td>
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<td>Course assessment</td>
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<td>doc. MUDr. Jana Kaťuchová, PhD.</td>
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<td>prof. MUDr. Daniel Pella, PhD.</td>
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## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice  
**Faculty:** Faculty of Medicine  
**Course ID:** UA/GM/09  
**Course name:** Topographic Anatomy

<table>
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<td><strong>Recommended course-load (hours):</strong></td>
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| **Per week:** 1 / 1  
**Per study period:** 14 / 14 |  |
| **Course method:** present |  |

**Number of credits:** 2  
**Recommended semester/trimester of the course:** 8.  
**Course level:** I.II.  
**Prerequisities:** UA/A-GM3/14  
**Conditions for course completion:**  
practical test  
evaluation: completed

**Learning outcomes:**  
The aim of this subject is the study of topographical relationships of the anatomical structures, their position in the human body with emphasis on the needs of clinical medicine. The explanation of the existence of different variations of various anatomical structures is very important for the next practice.

**Brief outline of the course:**  
Topographical anatomy of the various regions of the head, neck, chest, abdomen, pelvis, upper and lower limbs. The dissection and study of surface and in-depth services in these areas.

**Recommended literature:**  
Kluchová D. : Neuroanatomy, Košice, 2010  
Rohen, Yokochi: Colour Atlas of Anatomy  
K. L. Moore: Essential Clinical Anatomy

**Course language:**  
English

**Notes:**
subject is provided only in the summer semester

**Course assessment**
Total number of assessed students: 49

<table>
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*Provides:* doc. MUDr. Ingrid Hodorová, PhD., prof. MVDr. Silvia Rybárová, PhD., prof. MUDr. Darina Kluchová, PhD., doc. MVDr. Jozef Mihalík, CSc., MUDr. Janka Vecanová, PhD., MUDr. Dalibor Kolesár, PhD., MUDr. Božena Nováková, PhD., MUDr. Róbert Čellár, MUDr. Štefan Štolfa, PhD., MUDr. Aurélia Kollová, Ph.D., doc. MUDr. Miroslav Gajdoš, CSc., mim.prof., doc. MUDr. Peter Urdzik, PhD., MPH

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
| University: | P. J. Šafárik University in Košice |
| Faculty: | Faculty of Medicine |
| **Course ID:** | KICM/TM-GM/09 |
| **Course name:** | Tropical Medicine |

**Course type, scope and the method:**
- Course type: Lecture / Practice
- Recommended course-load (hours):
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:**

**Conditions for course completion:**

**Learning outcomes:**
Epidemiological aspects and basic diagnostics of infectious diseases, the basic principles antiinfectious treatment of tropical infection, imported infections.

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 99

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<th>C</th>
<th>D</th>
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**Provides:** prof. MUDr. Ivan Schréter, CSc., prof. MUDr. Pavol Jarčuška, PhD., doc. MUDr. Pavol Kristian, PhD., MUDr. Lucia Fontanelli, MUDr. Martin Novotný, PhD., MUDr. Zuzana Paraličová, PhD.

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.
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<td><strong>Course name:</strong></td>
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**Course type, scope and the method:**
- **Course type:** Lecture / Practice
- **Recommended course-load (hours):**
  - Per week: 0 / 1
  - Per study period: 0 / 14
- **Course method:** present

**Number of credits:** 2

**Recommended semester/trimester of the course:** 9.

**Course level:** I.II.

**Prerequisites:** ChK/S-GM1/16 and IK/IM-GM1/16 and ChK/SP-GM/15

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
- **Total number of assessed students:** 295

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**Provides:** doc. MUDr. Eva Szabóová, PhD., MUDr. Štefan Ivanecky

**Date of last modification:** 11.02.2016

**Approved:** prof. MUDr. Daniel Pella, PhD.