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COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ IG/04 | Course name: Acquirement of Internal Grant |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 10 | |
| Recommended semester/trimester of the course: 6., 8. | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 184 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|---|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DBACH/13 | Course name: Bioinorganic 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 ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: Goal of the course is to provide the students with a knowledge of chemical elements in biological systems, biometals, their importance and function, biocoordination compounds, biomineralization, biominerals and biomaterials. | |
| Brief outline of the course: Metal complexes in living systems - metalloproteins, metalloenzymes, metallophosphates, Fe-S clusters, their function. Biometals, their transport. Ion channels, ionophores. Biological redox processes. Role of biometals in biophotochemical processes. Biominerals, biomaterials, biosenzors. Bioinorganic chemistry of toxic elements and compounds. Chemistry of elements in medicine, metal complexes in diagnostics. New trends in bioinorganic chemistry. | |
| Recommended literature: 1. D. F. Shriver, P. W. Atkins, T. L. Overton, J. P. Rourke, M. T. Weller, F. A. Amstrong: Inorganic Chemistry, kapitola 26. Oxford University Press, Oxford 2006. 2. C. E. Housecroft, A.G. Sharpe: Inorganic Chemistry, kapitola 28. Pearson Education, Harlow 2005. 3. C. M. Lukehart, R. A. Scott: Nanomaterials: Inorganic and Bioinorganic Perspectives, kapitoly 1-5. J. Wiley, Chichester 2008. 4. W. Kaim, B. Schvederski: Bioinorganic Chemistry, J. Wiley&Sons, New York 1994. 5. J. C. Dabrowiak: Metals in Medicine. J. Wiley&Sons, Chichester 2009. | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 10 | |
| N | P |
| 0.0 | 100.0 |
| Provides: doc. RNDr. Zuzana Vargová, Ph.D. | |

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| Date of last modification: 03.05.2015 |
| Approved: |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DCKOK/13 | Course name: Chemistry of Coordination, Organometallic and Cluster Compounds |
| Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 9 | |
| N | P |
| 0.0 | 100.0 |
| Provides: prof. RNDr. Juraj Černák, DrSc., RNDr. Martin Vavra, PhD. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DCNM/13 | Course name: Chémia nanomateriálov |
| Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 8 | |
| N | P |
| 0.0 | 100.0 |
| Provides: prof. RNDr. Vladimír Zeleňák, DrSc. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ CZC/04 | Course name: Citation in the International Scientific Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 10 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 49 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ CDC/04 | Course name: Citation in the Local Scientific Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 5 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 1 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ CM/04 | Course name: Citation in the Monograph |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 20 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 3 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ SDPR/04 | Course name: Co-worker of a Local Project |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 446 | |
| abs | n |
| 99.78 | 0.22 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ SMPR/04 | Course name: Co-worker of an International Project |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 15 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 38 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ ODZP/2014/15 | Course name: Defence of Doctoral Thesis |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 30 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| 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 | |
| N | P |
| 0.0 | 100.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|---|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DDM/13 | Course name: Diffraction methods |
| Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 4 Per study period: 28 / 56 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: 2 written tests 30% Written test, oral examination, solution of the crystal structure and processing the results in the form of text, tables and structural diagram (figure). | |
| Learning outcomes: PhD. student handles both theoretical and practical aspects of single crystal structural analysis, and powder diffraction. He is able to solve independently crystal structures by a method of single crystal structural analysis and to evaluate powder diffraction records and use the results of these methods in his work. | |
| Brief outline of the course: Macrostructure and microstructure symmetry, individual work with space groups. Theoretical basis of the diffraction experiment. Practical aspects of crystal structure solution. Processing the results of structural analysis. Theoretical basis, practical aspects and possibilities of X-ray powder diffraction analysis, its use at work of an inorganic chemist. | |
| Recommended literature: Massa, W.: Crystal structure determination. Springer 2000. Clegg, W. et al.: Crystal structure analysis. Principles and practice. Oxford University Press 2009. Stout, G.H. & Jensen, L.H.: X-ray Structure Determination. Macmillan Publishing Co., Inc. 1968. Klug, H.P. & Alexander, L.E.: X-Ray diffraction procedures for polycrystalline and amorphous materials. John Wiley & Sons, Inc. 1970. Hahn, T.: International tables for crystallography, Vol. A. Kluwer Academic Publishers 2002. Manuals for programs. | |
| Course language: | |
| Notes: | |

| | | | |
|---|-------|-------|-------|
| Course assessment | | | |
| Total number of assessed students: 13 | | | |
| N | P | abs | neabs |
| 0.0 | 46.15 | 53.85 | 0.0 |
| Provides: doc. RNDr. Ivan Potočník, PhD. | | | |
| Date of last modification: 03.05.2015 | | | |
| Approved: | | | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DZS/15 | Course name: Dissertation examination |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 20 | |
| Recommended semester/trimester of the course: 3., 4.. | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 51 | |
| N | P |
| 0.0 | 100.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | | | | | |
|---|-----|---|-----|-------|-------|
| University: P. J. Šafárik University in Košice | | | | | |
| Faculty: Faculty of Science | | | | | |
| Course ID: CJP/AJD1/07 | | Course name: English Language for PhD Students 1 | | | |
| 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 ECTS credits: 2 | | | | | |
| Recommended semester/trimester of the course: 1. | | | | | |
| Course level: III. | | | | | |
| Prerequisites: | | | | | |
| Conditions for course completion: Written assignments - professional CV, short academic biography (200-350 words). distance mode of instruction using MS teams | | | | | |
| Learning outcomes: | | | | | |
| Brief outline of the course: | | | | | |
| Recommended literature: | | | | | |
| Course language: | | | | | |
| Notes: | | | | | |
| Course assessment Total number of assessed students: 654 | | | | | |
| N | Ne | P | Pr | abs | neabs |
| 0.0 | 0.0 | 51.38 | 0.0 | 48.62 | 0.0 |
| Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD. | | | | | |
| Date of last modification: 11.02.2021 | | | | | |
| Approved: | | | | | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: CJP/ AJD2/07 | Course name: English Language for PhD Students 2 |
| 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 ECTS credits: 3 | |
| Recommended semester/trimester of the course: 2. | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: Distance mode of instruction. Online consultations. Test, oral exam in accordance with the exam requirements (https://www.upjs.sk/filozoficka-fakulta/cjp/doktorandi-upjs/) | |
| Learning outcomes: Development of students' language skills, improvement of students' linguistic competencies (selected aspects of English pronunciation, vocabulary and syntax), development of students' pragmatic competence (selected aspects of functional grammar) with focus on English for academic and specific purposes. B2/C1 level of language competence (according to CEFR.) | |
| Brief outline of the course: Specific aspects of academic and professional English with focus on vocabulary development (noun and verb collocations, phrasal verbs, prepositional phrases, word-formation, formal/informal language, etc.), selected aspects of English grammar (prepositions, grammar tenses, passive voice, etc.), selected functional grammar (expressing opinion, cause/effect, arguments, examples, etc.). Academic communication. Cross-language interference. | |
| Recommended literature: Kolaříková, Z., Petruňová, H., Timková, R.: Angličtina v akademickom prostredí (cvičebnica). UPJŠ Košice, 2015 McCarthy, M., O'Dell, F.: Academic Vocabulary in Use. CUP, 2008 Štěpánek, L., J. De Haaf a kol.: Academic English-Akademická angličtina. Grada Publishing, a.s., 2011 Blašková, K.: Handbook of English for Postgraduate Students. Vyd. SPRINT Bratislava, 2007 Dušková, L. a kol.: Hovorová angličtina pre vedeckých a odborných pracovníkov. Veda. Bratislava, 1982 Armer, T.: Cambridge English for Scientists. CUP, 2011 Porter, D.: Check your vocabulary for Academic English. Macmillan Publishers Limited, 2008 Oxford Collocations Dictionary for students of English. OUP, 2002 lms.upjs.sk | |
| Course language: | |

| | | | | | |
|---|-----|-------|------|------|-------|
| B2/C1 level according to CEFR | | | | | |
| Notes: | | | | | |
| Course assessment | | | | | |
| Total number of assessed students: 649 | | | | | |
| N | Ne | P | Pr | abs | neabs |
| 0.31 | 0.0 | 93.07 | 1.23 | 5.39 | 0.0 |
| Provides: PhDr. Helena Petruňová, CSc., Mgr. Zuzana Kolaříková, PhD. | | | | | |
| Date of last modification: 10.02.2021 | | | | | |
| Approved: | | | | | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ MK/04 | Course name: International Conference |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 6 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 214 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ ZKC/04 | Course name: International Currented Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 20 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 302 | |
| abs | n |
| 99.67 | 0.33 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ ZNC/04 | Course name: International Non-Currented Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 5 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 21 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ NEM/04 | Course name: Introduction of a New Experimental Method |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 15 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 9 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--------------------------------------|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DK/04 | Course name: Local Conference |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 116 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DKZU/04 | Course name: Local Conference with Foreign Participation |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 4 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 216 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DKC/04 | Course name: Local Currented Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 15 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 10 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DNC/04 | Course name: Local Non-Currented Journal |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 5 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 18 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DMAL/13 | Course name: Magnetochemistry of Inorganic Compounds |
| Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 6 | |
| N | P |
| 0.0 | 100.0 |
| Provides: doc. RNDr. Alžbeta Orendáčová, DrSc. | |
| Date of last modification: 15.06.2021 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DMIZ/13 | Course name: Molekulové inkluzívne zlúčeniny |
| 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 ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: Goal of the course is to provide the PhD students with a knowledge of inclusion compounds and supramolecular chemistry from the point of view of their physicochemical properties, structure and application | |
| Brief outline of the course: Different types of inclusion compounds (host-guests compounds), types of interactions, structure, properties. Materials on base of inclusion compounds and their application in various areas of practice, in industry, agriculture, environment (sorbents, carriers of biochemical, pharmaceutical and agrochemical substances). Materials with electrochromic and photochromic properties. | |
| Recommended literature: 1. J. W. Steed, J. L. Atwood: Supramolecular Chemistry, J. Wiley, Chichester 2002. 2. J. L. Atwood, J. E. Davies: Inclusion compounds, Oxford University Press, Oxford 1984. 3. D. Cram, J. M. Cram: Container molecules and their guests, RSC, Cambridge 1994. 4. J. W. Steed, D. R. Turner, K. J. Wallace: Core Concepts in Supramolecular Chemistry and Nanochemistry. Wiley, Chichester 2007. | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 5 | |
| N | P |
| 0.0 | 100.0 |
| Provides: prof. RNDr. Juraj Černák, DrSc., RNDr. Miroslava Matiková Maľarová, PhD. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ NZ/04 | Course name: Not-Reviewed International or Local Proceedings |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 173 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ PVS/04 | Course name: Patents, Inventions, Software |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| 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 | |
| abs | n |
| 0.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DPACH/13 | Course name: Pokročilá anorganická chémia |
| Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 4 Per study period: 56 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: 1., 3. | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 15 | |
| N | P |
| 0.0 | 100.0 |
| Provides: prof. RNDr. Juraj Černák, DrSc. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ VYS/04 | Course name: Presentation in Seminar |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 182 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ RZ/04 | Course name: Reviewed International or Local Proceedings |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 5 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 321 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

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|--|----------------------------------|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ SCI/04 | Course name: SCI Citation |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 20 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 206 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DSRM/13 | Course name: Spectral & Resonance Methods of Study Inorganic Compounds |
| 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 ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 12 | |
| N | P |
| 0.0 | 100.0 |
| Provides: doc. RNDr. Juraj Kuchár, PhD. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|---|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: Dek. PF UPJŠ/JSD/14 | Course name: Spring School for PhD Students |
| Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: Per study period: 4d Course method: present | |
| Number of ECTS credits: 2 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 154 | |
| abs | n |
| 100.0 | 0.0 |
| Provides: doc. RNDr. Marián Kireš, PhD. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

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|--|--|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ DTA/13 | Course name: Thermal and mechanical properties of inorganic compounds |
| Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 3 / 1 Per study period: 42 / 14 Course method: present | |
| Number of ECTS credits: 9 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: Goal of the course is to provide the students with a knowledge of the basic principles and methods of thermal analysis for characterization of solid substances and study of their reactive mechanism. | |
| Brief outline of the course: The basic principles and methods of thermal analysis (TG/DTG, DTA, TMA, ETA, EGA etc.) for characterization of solid substances and study of their reactive mechanism and changes of their properties in dependence on temperature. | |
| Recommended literature: K. Györyová: Termická analýza, Edičné stredisko PF UPJŠ, Košice 1992 P.J.Haines: Thermal Methods of Analysis, Ef. Blackie, London 1995 F.Paulik: Special Trends in Thermal Analysis, John Wiley&Sons, New York 1995 | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 9 | |
| N | P |
| 0.0 | 100.0 |
| Provides: prof. RNDr. Vladimír Zelenák, DrSc. | |
| Date of last modification: 03.05.2015 | |
| Approved: | |

COURSE INFORMATION LETTER

| | |
|--|---|
| University: P. J. Šafárik University in Košice | |
| Faculty: Faculty of Science | |
| Course ID: ÚCHV/ PDS/18 | Course name: Writing Dissertation Work |
| Course type, scope and the method: Course type: Recommended course-load (hours): Per week: Per study period: Course method: present | |
| Number of ECTS credits: 0 | |
| Recommended semester/trimester of the course: | |
| Course level: III. | |
| Prerequisites: | |
| Conditions for course completion: | |
| Learning outcomes: | |
| Brief outline of the course: | |
| Recommended literature: | |
| Course language: | |
| Notes: | |
| Course assessment Total number of assessed students: 6 | |
| N | P |
| 0.0 | 100.0 |
| Provides: | |
| Date of last modification: | |
| Approved: | |