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**SYLLABUS of the MODULE (SUBJECT)**

**General Information**

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| **Module title:** **Dental Prosthetics** | |
| Module type | Obligatory |
| Faculty PMU | Faculty of Medicine and Dentistry |
| Major | Dentistry |
| Level of study | long-cycle (S2J) |
| Mode of study | full-time studies |
| Year of studies, semester | 4 year (VII semester and VIII semester) |
| ECTS credits (incl. semester breakdown) | 8 (semester- VII-4, semestr VIII-4) |
| Type/s of training | lectures – 13 h (sem. VII – 7h , sem.VIII -6h)  seminars - 15h (sem. VII – 8h, sem.VIII - 7h)  classes - 140h (sem. VII - 70h, sem. VIII -70h) |
| Form of assessment | ☒graded assessment:  ☐descriptive  ☒test  ☐practical  ☐oral  ☐non-graded assessment  ☐final examination  ☐descriptive  ☐test  ☐practical  ☐oral |
| Head of the Department/ Clinic, Unit | dr hab. n. med. Ewa Sobolewska |
| Tutor responsible for the module | dr n. med. Małgorzata Kozak,  [malgorzata.kozak@pum.edu.pl](mailto:malgorzata.kozak@pum.edu.pl) |

**Detailed information**

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| **Module objectives** | | The aim of teaching is also to acquire theoretical knowledge and practical skills allowing for independent work and making decision about indications, planning and carrying out the prosthetic treatment in simple cases of missing teeth with the use of removable partial dentures and fixed restorations. Acquiring of the necessary theoretical knowledge, improvement of practical and manual skills. |
| Prerequisite /essential  requirements | Knowledge | Knowledge of anatomy and physiology of head and neck tissues. |
| Skills | Knowledge of the principles for using dental units and equipment being in the equipment of clinical rooms, knowledge of using the equipment in technical laboratories. |
| Competences | The habit of self-education, teamwork |

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| **Description of the learning out**c**omes for the subject /module** | | | |  |
| **No. of learning outcome** | **Student, who has passed the (subject)**  **knows /is able to /can:** | **SYMBOL**  **(referring the standards)** | **Method of verification of learning outcomes\*** |
| U01 | is able to interview patient or his/her family | F.U1. | K, PS |
| U02 | is able to carry out dental examination of patient | F.U2 | K, PS |
| U03 | is able to formulate research proplems in dentistry | F.U12 | PS |
| U04 | is able to perform prosthetic rehabilitation in simple cases in the field of clinical and laboratory proceduring | F.U22 | K, PS |
| K01 | is ready to establish and maintain deep and respectful contact with the patient as well as to show understanding for ideological and cultural differences | K.1. | O |
| K02 | is ready to be guided by the patient wellbeing | K.2. | O |
| K03 | is ready to respect physician-patient privilege and patient's rights | K.3. | O |
| K04 | is ready to take activities towards patient on the basis of ethical principles with awareness of social conditions and disease restrictions | K4. | O |

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| **Table presenting LEARNING OUTCOMES in relation to the form of classes** | | | | | | | | |
| **No. of learning outcome** | **Learning outcomes** | **Type of training** | | | | | | |
| **Lecture** | **Seminar** | **Practical classes** | **Clinical classes** | **Simulations** | **E-learning** | **Other…** |
| U01 | F.U1. | X | X |  | X |  | X |  |
| U02 | F.U2. | X | X |  | X |  | X |  |
| U03 | F,U12. | X | X |  | X |  | X |  |
| U04 | F.U22. | X | X |  | X |  | X |  |
| K01 | K.1. | X | X |  | X |  | X |  |
| K02 | K.2. |  |  |  | X |  |  |  |
| K03 | K.3. |  |  |  | X |  |  |  |
| K04 | K.4. |  |  |  | X |  |  |  |

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| **Table presenting TEACHING PROGRAMME** | | | |
| **No. of a teaching programme** | **Teaching programme** | **No. of hours** | **References to learning outcomes** |
| **Winter semester** | | | |
| **Lectures - 7h** | | | |
| TK01 | Treatment after extensive surgery. Postoperative prostheses. Epithesis. | 1h | U01,U02,U03,U04,K01,K02, |
| TK02 | Dental ceramics. Crowns and veneers, inlays, onlays, overlays, dental bridges. | 1h | U01,U02,U03,U04.K01,K02, |
| TK03 | Dental bridges - biomechanics and treatment planning | 1h | U01,U02,U03,U04.K01,K02, |
| TK04 | Cementation procedure of fixed restoration | 1h | U01,U02,U03,U.04,K01,K02, |
| TK05 | Reconstruction of endodontically treated tooth – glass post procedures, | 1h | U01,U02,U03,U04.,K01,K02, |
| TK06 | Immediate and early dentures. | 1h | U01,U02, U04 |
| TK07 | Dental stomatopathies | 1h | U01,U04 |
| **Seminars - 8h** | | | |
| TK01 | Patient examination. Characteristics of a masticatory system. Prosthetic treatment planning | 2h | U01, U03, U04 |
| TK02 | Primary and secondary dental materials. | 2h | U03,U04 |
| TK03 | Removable partial dentures | 1,5h | U01,U02,U03,U04,K02,K03 |
| TK04 | Complete dentures. Topography of the bearing area. Clinical and laboratory sages. | 2,5h | U01,U02.U03,U04,K01,K02,K03 |
| **Practical classes – 70h** | | | |
| TK09 | Clinical classes with patients | 70h | U01,U02,U03,U04,K01,K02,K03,K04 |

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| |  | | --- | | **Summer semester** |   **Lectures – 6h** | | | |
| TK01 | Prosthetic treatment of patients with periodontitis | 1h | U01,U02.U03,K01,K02,K03 |
| TK02 | Precise attachements in RPD treatment planning | 1h | U01,U04.K01,K02, |
| TK03 | Dental implants | 1h | U01,U02.U04,K01,K02, |
| TK04 | Prosthetic treatment of children and adolescents. | 1h | U01,U02.U04,K01,K02,K03 |
| TK05 | Traumatic occlusion syndrome. VDO and severe tooth wear, splints, cover-dentures. | 1h | U01,U04.K01,K02 |
| TK06 | Soft tissue retraction methods prior to  impression taking. | 1h | U04 |
| **Seminars – 7h** | | | |
| TK01 | Dental ceramics. Crowns and veneers, inlays, onlays, overlays. General rules of dental ceramics cementation. Most common failures and complications during prosthetic treatment. | 2h | U01,U03,U04,K01,K02,K03 |
| TK02 | Dental Bridges | 2h | U01,U03,U04,K01,K02,K03 |
| TK03 | Repairing a prosthetic restoration:  - reasons and types of damage of fixed and removable prosthetic restorations  - methods of repairing fixed and removable prosthetic restorations  - indications and methods of relining the denture. | 2h | U01,U03,U04,K01,K02,K03 |
| TK04 | Iatrogenic factors associated with early and late failure of dental restorations. Most common complications during prosthetic treatment | 1h | U03,U04,K01,K02,K03 |
| **Practical classes** | | | |
| TK01 | Clinical classes with patients | 70h | U01,U02,U03,U04.K01,K02,K03,K04 |

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| **Booklist** |
| **Obligatory literature:** |
| **1. Rosenstiel SF, Land MF, Fujimoto J. “Contemporary Fixed Prosthodontics”, 4th Edition, Mosby Elsevier, 2006** |
| **2. Powers J, Sakaguchi R. “Craig’s Restorative Dental Materials” 12th Edition, Mosby Elsevier, 2006** |
| **3. Basker R, Davenport J. “Prosthetic Treatment of the Edentulous Patient” 4th Edition, Wiley-Blackwell, 2002** |
| **4. Carr AB, Brown “McCracken’s removable partial prosthodontics” Mosby St.Louis, 2005** |
| **Supplementary literature:** |
| **1. Craig, John M. Powers, John C. Wataha, "Dental Materials, Properties and Manipulation", 9th edition, Mosby 2007** |
| **2. Shillingburg, Herbert T., Jr.: Fundamentals of Fixed Prosthodontics, 3rd edition Chicago: Quintessence Pub., c1997. ISBN: 086715201X** |
| **3. Zarb G.A., Bolender C.L., Eckert S., Jacob R., Mericske-Stern F, “Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported**  **Prostheses”, 12th edition, Mosby Co.** |
| **4. Okeson J., “Management of Temporomandibular Disorders and Occlusion, Mosby Elsevier 2008** |

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| **Standards of procedures required to obtain credit:** |
| Post and core - 1  PFM crown – 2  Metal crown - 1  Temporary crown - 1  Bridge – 1  Partial denture – 1  Denture repair – 1  Complete denture -2 demonstration for the whole group |

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| **Student’s workload** | |
| Form of student’s activity  (in-class participation; activeness, produce a report, etc.) | Student’s workload [h] |
| Tutor |
| Contact hours with the tutor | 168 |
| Time spent on preparation to seminars/ practical classes | 30 |
| Time spent on reading recommended literature | 10 |
| Time spent on writing report/making project |  |
| Time spent on preparing to colloqium/ entry test |  |
| Time spent on preparing to exam | 27 |
| Student’s workload in total | 235 |
| **ECTS credits for the subject (in total)** | 8 |
| **Remarks** | |
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\* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloqium

R – report

S – practical skills assessment

RZĆ – practical classes report, incl. discussion on results

O – student’s active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student’s ability to work independently

W – entry test

PM – multimedial presentation

other…