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| **Syllabus 2020/2021****training cycle: ……………………………………………….** |
| **Description of the course** |
| **Module/Course** | **Anesthesiology and intensive therapy** |
| **Faculty** | Dentistry |
| **Major**  | Dentistry |
| **Specialties** | Not applicable |
| **Level of studies** | Uniform magister studies X\*1st degree studies 2nd degree studies 3rd degree studies postgraduate studies  |
| **Form of studies** | X full-time X part-time |
| **Year of studies**  | V | **Semester** |  WinterX Summer |
| **Type of course** | X obligatory limited choice free choice / elective  |
| **Course** |  major X basic |
| **Language of instruction** |  Polish x English other |
| \* mark with an **X** |
| **Number of hours** |
| Form of education |
| Unit teaching the course | Lectures (L) | Seminars (SE) | Auditorium classes (AC) | Major Classes – not clinical (MC) | Clinical Classes (CC) | Laboratory Classes (LC) | Classes in Simulated Conditions (CSC) | Practical Classes with Patient (PCP) | Specialist Classes – magister studies (SCM) | Foreign language Course (FLC) | Physical Education obligatory (PE) | Vocational Practice (VP) | Self-Study (Student's own work) | E-learning (EL) |
| **Winter Semester:** Not applicable |
| **Summer Semester: 27** |
| **Chair and Department of Anaesthesiology and Intensive Therapy** | 15 |  |  |  |  |  | 12 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year: 27** |
| **Chair and Department of Anaesthesiology and Intensive Therapy** | 15 |  |  |  |  | 12 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)**C1.** Deepening knowledge about first aidC2. Preparing the student to perform the cardiopulmonary resuscitation independently.C3.Understanding the causes, mechanisms and management of immediate life-threatening conditions in dental patients. C4. Knowledge of indications and methods for anesthesia. Knowledge of indications and methods of sedation during dental procedures. |
| **Education result matrix for module/course in relation to verification methods of the intended education result and the type of class** |
| Number of course education result  | Number of major education result  | Student who completes the module/course knows/is able to | Methods of verification of intended education results (forming and summarising) | Form of didactic class*\*\*enter the abbreviation* |
| W 01 | E.W4. | knows the rules proceeding to victims of polytrauma |  Oral response/test | L, CC, CSC |
|  W 02 | E.W5 | knows the rules of the organization in disasters and breakdowns, the phases of the rescue operation and the scope of assistance neede | Oral response/test | L, CC, CSC |
| W 03 | E. W17 | knows the causes and mechanisms of cardiac arrest and respiratory and principles of resuscitation and management after resuscitation; | Oral response/test | L, CC, CSC |
| W 04 | E.W18 | knows the life-threatening | Oral response/test | L, CC, CSC |
| W 05 | E. W 20 | knows when to refer the patient to the hospital | Oral response/test | L, CSC |
| U 01 | E. U8 | recognizes the risk of life-threatening conditions | Oral response/test | CC, CSC |
| U 02 | E. U9 | describes and recognizes the symptoms of shock and acute heart failure | Oral response/test | CC, CSC |
| U 03 | E. U10 | Recognizes the symptoms of brain injuries and cerebrovascular diseases, dementia syndromes and disorders of consciousness | Oral response/test | CC, CSC |
| \*\* L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .  |
| Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes:Knowledge: 5Skills: 5Social competences: 4 |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload (h)** |
| 1. Contact hours: | 27 |
| 2. Student's own work (self-study): |  |
| Total student's workload |  |
| **ECTS points for module/course** | 1 |
| Comments: no comments. |  |
| **Content of classes** (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects) |
| **Lectures**1. Cardiac arrest. Current European Guidelines-adults and pediatric.
2. Shock –definition, recognition, treatment. Hypovolemia.
3. Head injury. Unconsciousness –diagnosis and prehospital procedures.
4. The risk dental practice.
5. Anesthesia in maxillofacial surgery.
6. Local anaesthetics.
7. Chronic pain in the facial area.
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| **Seminars:** Not applicable. |
| **Practical classes: (12 hours=8hours in the Simulation Center+4hours in the ICU)**1. Safety anesthesia standards with particular emphasis on outpatient anesthesia. Evaluation of the clinical condition of the patient before surgery, interview, subject examination, premedication orders.2. Treatment of high-risk patients in the dentist's office. Specific problems: endocarditis - prophylaxis, management of patients taking anticoagulants.3. General principles of regional anesthesia. Characteristics of local anesthetic agents. Local anesthetics toxicity. Complications following regional anesthesia –clinical simulation scenarios.4. Anesthesia in maxillofacial and dental surgery- clinical simulation scenarios.5. Unconsciousness –diagnosis and prehospital procedures. Shock –definition, recognition, treatment- clinical simulation scenarios.6. Cardiac arrest. Current European Guidelines-adults and pediatric - clinical simulation scenarios. |
| **Other:** Not applicable. |
| **Basic literature** (list according to importance, no more than 3 items)1. Current ERC Guidelines for Adult Basic Life Support2.Current ERC Guidelines for Pediatric Basic Life Support3. Miller’s Anesthesia. Vol 1-2 .Philadelphia 2005, VI-th Edition. Elselvier**Additional literature and other materials** (no more than 3 items)1.Textbook of Critical Care Fink MP., Abraham E., Vincent JL., Kochanek PMPhiladelphia 2005, V-th Edition Elselvier |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)Multimedia projector, laptop, phantoms. |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)Preparation for classes from the recommended textbook and guidelines.knowledge of current guidelines for ERC resuscitation - a positive result from the entry test |
| **Conditions to receive credit for the course** (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be med by the student to pass it and criteria for specific grades)IMPORTANT! Class attendance cannot be a condition for passing the subject.**The condition of passing the subject is obtaining credits for all didactic classes . In the case of an excused absence - the student is obligated to make up the classes after prior agreement with the teaching adjunct. Each absence must be made up, including rector days and dean's hours - the way and form of doing the classes after prior arrangement with a teaching adjunct.** **Admission to credit - passing practical skills.****Completion of classes - written test.** |
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| **Grade:** | **Criteria** (only for courses/modules ending with an examination) |
| Very Good(5.0) |  |
| Good Plus (4.5) |  |
| Good(4.0) |  |
| Satisfactory Plus (3.5) |  |
| Satisfactory (3.0) |  |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address**....…… Chair and Clinic of Anaesthesilogy and Intensive Therapy, Borowska 213 Street. Phone:.717332310, kai@umed.wroc.pl ……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….……………………………..**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**……………Waldemar Goździk MD, Ph.D, prof., Chair and I Clinic of Anaesthesilogy and Intensive Therapy, Borowska 213 Street. Phone: 717332310, waldemar.gozdzik@umed.wroc.pl**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.

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| --- | --- | --- | --- | --- |
| Full name | Degree/scientific or professional title | Discipline | Performed profession | Form of classes |
| Waldemar Goździk, | MD Ph.D, prof  | Medicine | MD | CSC, L |
| Marek Wełna | Ph.D | Medicine | MD | CSC |
| Tomasz Skalec | Ph.D. candidate | Medicine | MD | CSC |
| Magdalena Kośmider -Żurawska | MD | Medicine | MD | CSC |
| Barbara Barteczko-Grajek | Ph.D | Medicine | MD | CSC |
| Jakub Śmiechowicz | Ph.D | Medicine | MD | CSC |
| Stanisław Zieliński | Ph.D | Medicine | MD | CSC |
| Marzena Zielińska | Ph.D | Medicine | MD | CSC |
| Małgorzata Grotowska | Ph.D | Medicine | MD | CSC |
| Bogusław Lechowicz-Głogowska | Ph.D | Medicine | MD | CSC |

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 29.06.2020………………………………………….. | ……..............Barbara Barteczko-Grajek MD, PhD............................. |
| **Signature of Head of teaching unit** |
| …………………………………………………… |

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