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| **Syllabus 2018/2019** |
| **Description of the course** |
| **Module/Course** | **Disaster and emergency medicine** | **Group of detailed education results**  |
| **Group code E** | **Group name Non-Clinical medical science** |
| **Faculty** | Dentistry |
| **Major**  | Dentistry |
| **Specialties** | N/A |
| **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**  | 2 | **Semester** | X Winter 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** |
| **Department of Paediatric Traumatology and Emergency Medicine** | **5** | **5** |  | **10** |  |  |  |  |  |  |  |  | **6** |  |
| **Summer Semester** |
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| **TOTAL per year:** |
|  | **5** | **5** |  | **10** |  |  |  |  |  |  |  |  | **6** |  |
| **Educational objectives** (max. 6 items)C1. Aim of education is to teach the student diagnosing of the life treating conditions related to trauma, poisonings and internal disorders in children and adults, paying special attention to relationships with the diseases and procedures related to stomatology.C2. Student also should be able to organize and lead cardio respiratory resuscitation children and adults. |
| **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* |
| **W01** | **E.W4** | Student knows the rules of proceeding with victims of multiorgan injuries | Interactive lectures, tutorials and seminars, written test | L, SE, MC |
| **W02** | **E.W5** | Student knows organization of rescue in disasters, steps of the rescue action and extend of first medical aid provided to victims of catastrophe | Interactive lectures, tutorials and seminars, written test | L, SE, MC |
| **W03** | **E.W17** | Student defines reasons and mechanism of cardio respiratory arrest and basic rules of resuscitation and post resuscitation treatment | Interactive lectures, tutorials and seminars, written test | MC |
| **W04** | **E.W18** | Student defines life treating conditions  | Interactive lectures, tutorials and seminars, written test | L, SE |
| **E.W3** | **E.W20.** | Student knows in which situations patient should be sent to hospital  | Interactive lectures, tutorials and seminars, written test | L, SE |
| **E.W4** | **F.W22.** | Student knows and understands relationship between oral cavity disorders and general health condition | Interactive lectures, tutorials and seminars, written test | L, SE |
| **U01** | **E.U1**  | Student is able to differentiate most frequent diseases in adults | Interactive lectures, tutorials and seminars, written test | L, SE, MC |
| **U02** | **E.U2** | Student is able to evaluate and describe somatic and psychological state of patient | Interactive lectures, tutorials and seminars, written test | SE |
| **U 03** | **E.U3.** | Is able to plan diagnostics and therapy in most frequent diseases in adults | Interactive lectures, tutorials and seminars, written test | SE, MC |
| **U 04** | **E.U4.** | is able to evaluate and interpret results lab test | Interactive lectures, tutorials and seminars, written test | SE, MC |
| **U05** | **E.U8** | Student recognizes the risk of life-threatening | Interactive lectures, tutorials and seminars, written test | L, SE, MC |
| **U 06** | **E.U9.** | is able to diagnose and describe signs and symptoms of shock and acute circulatory failure | Interactive lectures, tutorials and seminars, written test | SE |
| **U 07** | **E.U10.** | is able to diagnose sings and symptoms of CNS trauma, vascular diseases of brain, syndromes of dementia and awareness disorders | Interactive lectures, tutorials and seminars, written test | SE |
| **U 08** | **E.U17.** | is able to diagnose diseases related to smoking, alcohol intake and other addictions | Interactive lectures, tutorials and seminars, written test | SE |
| **U9** | **E.U20** | Student is able to perform basic procedures and treatments: temperature measurement, controlling pulse, noninvasive measurement, blood pressure, providing oxygen therapy, providing artificial ventilation and supporting ventilation, installing oropharyngeal tube, preparation of surgical  | Interactive lectures, tutorials and seminars, written test | MC,SE |
| **K. 01** |  | Student is able both to lead the team and to act as a team member. Student actively ameliorates his knowledge in the view of emergency medicine and its relationships with stomatology. | Interactive lectures, tutorials and seminars, written test | MC,SE |
| \*\* 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: 4Skills: 4Social 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: | 20 |
| 2. Student's own work (self-study): | 6 |
| Total student's workload | 26 |
| **ECTS points for module/course** | 1,0 |
| 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. Medical rescue in health care systems
2. Introduction to clinical procedures of emergency medicine
3. Introduction to treatment of multiple injuries and multi-organ injuries
4. Sudden ambulatory life threats
5. Organization of lifesaving actions for mass incidents and disasters
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| **Seminars**1. Shock – types, patophysiology, diagnosis and evaluation.2. Local anesthesia – pharmacology, complications, emergency procedures3. Risks related to the physical and chemical factors4. Traffic accidents – rescue strategies 5. Emergency management in case of mass accidents and disasters  |
| **Practical classes**1. Advanced Life Support (ALS)2. Pediatric Advanced Life Support (PALS)3. Rescue Airways procedures4. Cardiac and neurological emergences – diagnosis and evaluation5. Craniocerebral trauma, thoracic, abdominal and extremity trauma – first approach, further evaluation, emergency procedures.  |
| **Basic literature** (list according to importance, no more than 3 items)1. „Emergency Medicine” – L. Pousada, H.H. Osborn, D.B. Levy. Williams & Wilkins, Baltimore, 19962. „Emergency Medicine” Judith E. Tintinalli, Gabor D. Kelen, J. Stephan Stapczynski; American College of Emergency Physisian; Mc Graw – Hill, New York, 2012, 8th Edition3. „ABC of Resuscitation” M.C. Colquhoun, A.J. Handley, T.R. Evans; BMJ Books 2004, 5th Edition**Additional literature and other materials** (no more than 3 items)1. „ABC of Major Trauma” Peter Driscoll, David Skinner, R. Earlam; BMJ Books 2000, 3rd Edition |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)Audiovisual set, simulation manikin SimMan, manikins for adult and children resuscitation and rescue procedures, manikin for intubation and airway procedures, manikin for deep vein canulation, trauma manikin, pulsoxymeter, manual and AED defibrillators, backboards, cervical collars, immobilisation equipment, equipment for dressing wounds, airway equipment: laryngoscopes, endotracheal tubes, LMA, LT, nasopharyngeal and oropharyngeal tubes, oxygen masks and cannulas, BVM, suction device. |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)Student reminds the rules of the resuscitation learned at the first year of study. |
| **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)Presence in all classes - absence resulting from an emergency situation must be corrected in the form of an essay or presentation on the subject indicated by the person responsible for the subject. Obtaining a positive grade from the test - the test consists of 25 single-choice questions and each question is rated 1 point. The test is passed if the student receives the number of points ≥ 18. |
| **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**Department of Paediatric Traumatology and Emergency MedicineBujwida str. 44a, 50-345 Wrocławph. 71 328 60 45 fax. 71 328 60 16 e-mail: emerg.kids@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**- prof. dr hab. Jan Godziński, ph. 71 328 60 45, e-mail: jan.godzinski@umed.wroc.pl**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Teacher performing the lectures: - prof. dr hab. Jan Godziński (chirurgia dziecięca, chirurgia onkologiczna)Teachers performing the classes and seminars:- dr n. med. Lilianna Styka (anestezjologia i intensywna terapia)- dr n. med. Joanna Jakubaszko – Jabłońska (okulistyka)- dr n. med. Kinga Niewińska (medycyna ratunkowa, anestezjologia i intensywna terapia)- dr n. med. Janusz Sokołowski (medycyna ratunkowa)- dr n. med. Marta Kwiatoń (ratownictwo medyczne, psychologia)- dr n. med. Agnieszka Burkacka (w trakcie specjalizacji z chirurgii dziecięcej)- lek. Marzena Kozakiewicz (w trakcie specjalizacji z chirurgii dziecięcej)- lek. Karol Dopierała (II rok studiów doktoranckich)- lek. Remigiusz Chrostek (II rok studiów doktoranckich)

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 16.07.2018 r. | prof. dr hab. Jan Godziński |
| **Signature of Head of teaching unit** |
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**Signature of Faculty Dean**  |
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