**STANDARD COURSE SYLLABUS**

**for academic year 2013/2014**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Description of subject matter – Instructional program** | | | | | | | | | | | | |
| Name of subject: | | **Emergency medicine and disaster medicine** | | **Module code according to standards**  **from A to G** | | | | | E | | | |
| Director of unit conduction the course: | | dr hab. Jan Godziński prof. nadzw. | | | | | | |  | | | |
| Faculty: | | Dentistry | | | | | | | | | | |
| Course of study: | | Dentistry | | | | | | | | | | |
| Level of studies | | Unitary MMed | | | | | | | | | | |
| Form of studies | | full-time X ~~extramural~~ | | | | | | | | | | |
| Year: | | II | | | Semester: | | | | III | | | |
| Type of subject | | obligatory X ~~elective~~ | | | | | | | | | | |
| Language of instruction: English | |  | | | | | | | | | | |
|  | | | | | | | | | | | | |
| **Name of unit conducting course** | | | Winter semester (hrs.) | | | | | Summer semester (hrs.) | | | | |
| L | | | C | S | L | | | C | S |
| Chair of Emergency Medicine, Department of Emergency and Disaster Medicine, Clinic of Emergency Medicine | | | 5 | | | 10 | 5 |  | | |  |  |
|  | | |  | | |  |  |  | | |  |  |
|  | | |  | | |  |  |  | | |  |  |
| Total: | | | 5 | | | 10 | 5 |  | | |  |  |
|  | | | | | | | | | | | | |
| **Educational goals** *(goals for lessons set by instructor, related to the results of education, max. 6 items)*  **G 1. Student is able to lead and participate in adult and children resuscitation, using the equipment available in dentist clinic, according to current guidelines.**  **G2.** **Student knows actual guidelines for initial treatment of most common sudden illnesses, including cardiac emergencies, sudden neurologic deficits, intoxications.**  **G3. Student is able to evaluate and treat sudden respiratory emergency case and can do basic airway procedures and ventilate the patient.**  **G4. Student knows how to appear in trauma scene, and knows the priorities in rescue trauma careand mass casualty ncidents.** | | | | | | | | | | | | |
| **Matrix of educational results for subjects in reference to methods for verifying intended educational results and manner of conducting lessons.** | | | | | | | | | | | | |
| Number of educational result | Description of educational result *(in conformance with detailed educational results defined in standards)* | | | Methods for verifying achievement of intended educational results \* | | | | | | Manner of lessons:  \*\* provide symbol | | |
| **E.W4** | Knows the priorities of trauma management. Can triage trauma patients and recognize life threatening conditions. Can support trauma patient and perform basic rescue procedures. | | | Written test.  Ongoing assessment during training on trauma manikin and real models using trauma box and immobilisation equipment. | | | | | | **L**, C, S | | |
| **E.W5** | Knows mass casualty incidents management. | | | Interactive lecture, written test. | | | | | | L | | |
| **E.W17** | Knows mechanisms and causes of cardiac arrest and respiratory arrest and resuscitation and post – resuscitation procedures. | | | Written test | | | | | | C, EL | | |
| **E. W18** | Knows life threatening conditions | | | Written test | | | | | | L. S | | |
| **E. U8** | Recognizes life threats. | | | Written test | | | | | | L,S,C | | |
| **E. U9** | Recognizes and describes shock and acute circulatory insufficiency | | | Written test | | | | | | C, S | | |
| **E. U20** | Perform basic medical procedures: pulse check, non invasive blood pressure checking, oxygen supplementation, assisted ventilation, ventilation, oropharyngeal tube insertion | | | Ongoing assessment during training | | | | | | C | | |
| \*e.g.. test, presentation, oral response, essay, report, colloquium, oral examination, written examination;  \*\* L- lecture; S- seminar; C- class; EL- e-learning; | | | | | | | | | | | | |
| **Student work input (balance of ECTS points)** | | | | | | | | | | | | |
| Lessons on-site (hrs.) 20 | | | | | | | | | | | | |
| Own work (hrs.) 10 | | | | | | | | | | | | |
| Summary of student workload 30 | | | |  | | | | | | | | |
| **ECTS points for subject** | | | |  | | | | | | | | |
| Remarks | | | |  | | | | | | | | |
| **Content of lessons:** *(please provide the subject of individual lessons, keeping in mind the need to contribute to the intended educational results)*  **General description:**  **Lecture topics in detail:**   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   **Classes topics in detail:**  1. Advanced Life Support (ALS)  2. Pediatric Advanced Life Support (PALS)  3. Rescue Airways procedures  4. Cardiac emergences – diagnosis and evaluation  5. Craniocerebral trauma, thoracic, abdominal and extremity trauma – first aproach, further evaluation, emergency procedures.  **Seminar blocks**  1. Shock – types, patophysiology, diagnosis and evaluation.  2. Local anesthesia – pharmacology, complications, emergency procedures  3. Electrocution and lighting stroke  - electrocution patophysiology  - lighting stroke patophysiology  4. Traffic accidents – rescue strategies  5. Mass accidents and disasters emergency management | | | | | | | | | | | | |
| **Primary and secondary literature**  - „Emergency Medicine” – L. Pousada, H.H. Osborn, D.B. Levy. Williams & Wilkins, Baltimore, 1996  - „Emergency Medicine” Judith E. Tintinalli, Gabor D. Kelen, J. Stephan Stapczynski; American College of Emergency Physisian; Mc Graw – Hill, New York, 2012, 8th Edition  - „ABC of Resuscitation” M.C. Colquhoun, A.J. Handley, T.R. Evans; BMJ Books 2004, 5th Edition  - „ABC of Major Trauma” Peter Driscoll, David Skinner, R. Earlam; BMJ Books 2000, 3rd Edition | | | | | | | | | | | | |
| **Requirements concerning instructional aids** *(e.g. laboratory, multimedia projector, other …)*  Audiovisual set, simulation manikin SINMAN, 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. | | | | | | | | | | | | |
| **Conditions for successful completion of course:** | | | | | | | | | | | | |
| Attendance | | Written test | |  | | | | | |  | | |

**Name and address of unit conducting course, contact information (tel./email):**

Katedra Medycyny Ratunkowej

ul. Bujwida 44a

50-345 Wrocław

tel. 71 328 60 45 fax. 71 328 60 16 e-mail: kat.med.rat@am.wroc.pl

**Person responsible for the course for a given year**

dr hab. Jan Godziński prof. nadzw.

**Signature of head of unit conducting the course Signature of dean**

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**Date of syllabus drafting:** …………