

Code – winter semester: 05-EIT-EMS-IPR-SP5

Code – spring semester: 05-EIT-EMS-IPR-SP6

Course item:

1. INFORMATION ABOUT THE COURSE

A. Basic information

Name of course	Individual Project
Study level	<i>First degree</i>
Unit running the study programme	<i>Faculty of Telecommunication, Computer Science and Electrical Engineering</i>
Study programme	<i>1. Electronics and Telecommunications 2. Applied Computer Science 3. Information and Communication Technologies</i>
Specialty	
Name of teacher (s) and his academic degree	<i>Piotr Kiedrowski PhD Beata Marciniak PhD</i>
Introductory courses	<i>No required</i>
Prerequisites	<i>No prerequisites</i>

B. Semester/week schedule of classes

Semester	Lectures	Classes	Laboratories	Project	Seminars	Field exercises	ECTS
winter or summer				30			12

2. EFFECTS OF EDUCATION (acc. to National Qualifications Framework)

Knowledge	<i>on the successful completion of the course, student is supposed to: - define technical problems - create research plans, - formulate conclusions,</i>
Skills	<i>on the successful completion of the course student is supposed to: - carried out experiments, - operate with diagnostic and measurement equipment, - solve technical problems - browse literature to determine the state of art in considered issues - document his/her work</i>
Competences	<i>on the successful completion of the course student is ready to prepare his/her diploma thesis</i>

3. TEACHING METHODS

Consultation, demonstration, supervision of laboratory activities

4. METHODS OF EXAMINATION

Student's report assessment

5. SCOPE

Project	<i>Defining the problem.</i>
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	<p><i>Defining the title, purpose and scope of work.</i></p> <p><i>Planning the student activity and mile stones definition.</i></p> <p><i>Demonstration of the use of scientific achievements and contribution.</i></p> <p><i>Online libraries exploration (IEEE Xplore, Science Direct, Scopus, Web of Science e.t.c)</i></p> <p><i>Research methodology.</i></p> <p><i>Reporting methods.</i></p>
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6. LITERATURE

Basic literature	<p>1. B. S. Blanchard, "System Engineering Management", <i>John Willey & Sons Inc.</i>, 2004, p. 328</p> <p>2. A. P. Sage and W. B Rouse, " Handbook of Systems Engineering Management", <i>John Willey & Sons Inc.</i>, 2014, p. 1476</p>
Supplementary literature	<p>Ch. Igwenagu, " Fundamentals of research methodology and data collection", <i>LAP Lambert Academic Publishing</i>, 2016, p. 46</p>