



University of Split



Department of Professional Studies

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# **PRACTICAL TRAINING**

## **COURSE SYLLABUS**

| <b>COURSE DETAILS</b>                         |  |
|---|--|
| <i>Type of study programme</i>                | Professional study - 180 ECTS  |
| <i>Study programme</i>                        | POWER ENGINEERING  |
| <i>Course title</i>                           | Practical Training   |
| <i>Course code</i>                            | SEN037   |
| <i>ECTS<br/>(Number of credits allocated)</i> | 5  |
| <i>Course status</i>                          | Mandatory  |
| <i>Year of study</i>                          | Third  |
| <i>Semester</i>                               | Sixth (spring)   |
| <i>Course Web site</i>                        | <a href="http://www.oss.unist.hr/">http://www.oss.unist.hr/</a>                              |
| <i>Total lesson hours per semester</i>        | Practical training lasting three weeks (120 hours)   |
| <i>Prerequisite(s)</i>                        | None   |
| <i>Lecturer(s)</i>                            | Department of Electrical Engineering faculty:<br>mentor chosen within the Department faculty |
| <i>Language of instruction</i>                | Croatian   |

| <b>COURSE DESCRIPTION</b>  |   |
|--|---|
| <i>Course Objectives:</i>  | <ul style="list-style-type: none"> <li>• adapting to technical, social and professional environment,</li> <li>• acquisition of practical knowledge and skills,</li> <li>• preparation for involvement in the working process upon completion of studying.</li> </ul>  |
| <i>Learning outcomes</i><br><br><i>On successful completion of this course, student should be able to:</i> | <ol style="list-style-type: none"> <li>1. describe the organizational structure of a company/institution,</li> <li>2. analyse different assumptions , procedures and the results related to practical problems ,</li> <li>3. critically evaluate production process/ realization of a professional project,</li> <li>4. describe the used software,</li> <li>5. decide on possible changes within the production process aiming at cost reduction and efficiency improvement,</li> <li>6. prepare an oral presentation and a written report on a job done in real working conditions.</li> </ol>  |
| <i>Course content</i>  | <p>The Department head or a course lecturer directs students to the practical training in the appropriate companies in accordance with the Regulation for Practical Training, the team project they have participated in, and the Final paper topic they intend to choose. Students supplement the acquired theoretical knowledge with a new practical knowledge and skills profiting from the experience of the company's experts. Practical training is carried out in specialized companies/institutions, design offices, industrial plants, building sites etc. It can be organised in the laboratories of the Department of Electrical Engineering in the form of preparations for introduction of new laboratory exercises, or participation in the Department' professional projects. Depending on the chosen company, students should get familiar with:</p> <ul style="list-style-type: none"> <li>-working environment and organizational structure</li> <li>-executives and their competences</li> <li>- complete working process</li> <li>- project design, realization and documenting</li> <li>- production process in the whole and different production phases</li> <li>- testing and maintenance of measuring equipment</li> <li>- measuring equipment usage</li> <li>- development of the applicable software</li> <li>- protection and safety at work conditions with a possibility of getting a relevant certificate.</li> </ul> <p>Student is to submit a written and oral report on the practical training.</p> |

## CONSTRUCTIVE ALIGNMENT – Learning outcomes, teaching and assessment methods

| <b>Alignment of students activities with learning outcomes</b>          |  |                              |
|---|--|------------------------------|
| <b>Activity</b>   | <b>Student workload<br/>ECTS credits</b> | <b>Learning<br/>outcomes</b> |
| <i>Practice in a company / institution/ laboratory</i>                  | <b>120 hours/ 4 ECTS</b>                 | <b>1,2,3,4,5</b>             |
| <i>Written report /oral presentation</i>                                | <b>21 hours / 0.7 ECTS</b>               | <b>6</b>                     |
| <i>Contact hours with the mentor in a company and/or the Department</i> | <b>9 hours/ 0.3 ECTS</b>                 | <b>1,2,3,4,5,6</b>           |
| <b>TOTAL:</b>   | <b>150 hours / 5 ECTS</b>                | <b>1,2,3,4,5,6</b>           |

| <b>CONTINUOUS ASSESSMENT</b>                                      |   |   |
|---|---|---|
| <b>Continuous testing indicators</b>                              | <b>Performance<br/><math>A_i</math> (%)</b> | <b>Grade ratio<br/><math>k_i</math> (%)</b> |
| <i>Tutorials attendance and participation</i>                     | <b>70 - 100</b>                             | <b>10</b>                                   |
| <i>The mentor' report on activities during practical training</i> | <b>70 - 100</b>                             | <b>10</b>                                   |
| <i>Written report</i>   | <b>50 - 100</b>                             | <b>40</b>                                   |
| <i>Oral presentation</i>  | <b>50 - 100</b>                             | <b>40</b>                                   |

| <b>FINAL ASSESSMENT</b>   |   |   |
|---|---|---|
| <b>Testing indicators – final exam (first and second exam term)</b> | <b>Performance<br/><math>A_i</math> (%)</b> | <b>Grade ratio<br/><math>k_i</math> (%)</b> |
| <i>Written report on practical training</i>                         | <b>50 - 100</b>                             | <b>50</b>                                   |
| <i>Oral presentation on the acquired knowledge and skills</i>       | <b>50 - 100</b>                             | <b>50</b>                                   |

| <b>PERFORMANCE AND GRADE</b> |  |                        |
|------------------------------|--|------------------------|
| <b>Percentage</b>            | <b>Criteria</b>                                    | <b>Grade</b>           |
| <b>50% - 61%</b>             | <i>basic criteria met</i>                          | <b>sufficient (2)</b>  |
| <b>62% - 74%</b>             | <i>average performance with some errors</i>        | <b>good (3)</b>        |
| <b>75% - 87%</b>             | <i>above average performance with minor errors</i> | <b>very good (4)</b>   |
| <b>88% - 100%</b>            | <i>outstanding performance</i>                     | <b>outstanding (5)</b> |

### **ADDITIONAL INFORMATION**

Teaching materials for students (scripts, exercise collections, examples of solved exercises), teaching record, detailed course syllabus, application of e-learning, current information and all other data are available by MOODLE system to all students (<https://moodle.oss.unist.hr/>)