

Planning and Quality Assurance Affairs

Form (A)

**Course Specifications**

**General Information**

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Course name</b>                | Practical Training |
| <b>Course number</b>              | PHYS4175           |
| <b>Faculty</b>                    |                    |
| <b>Department</b>                 |                    |
| <b>Course type</b>                | Major Needs        |
| <b>Course level</b>               | 4                  |
| <b>Credit hours (theoretical)</b> | 0                  |
| <b>Credit hours (practical)</b>   | 1                  |
| <b>Course Prerequisites</b>       |                    |

**Course Objectives**

- 1 - develop basic knowledge and understanding of physics
- 2 - develop an understanding of the role of physics in scientific issues and relevant applications of physics in society and the environment
- 3 - develop scientific inquiry and investigative skills
- 4 - develop scientific analytical thinking skills in a physics context
- 5 - develop the use of technology, equipment and materials, safely, in practical scientific activities

**Intended Learning Outcomes**

|                                    |   |
|------------------------------------|---|
| <b>Knowledge and Understanding</b> | <ul style="list-style-type: none"> <li>* using, with guidance, physics knowledge and understanding</li> <li>* using, with guidance, information handling skills, including collecting, presenting and processing information</li> <li>* students will recognise the impact physics makes on their lives, the environment and society</li> </ul> |
|------------------------------------|---|

**Course Contents**

- 1 - actical experience and academic training in the students principal area of interest. Joint supervision and evaluation by a physics faculty member and an on-site supervisor. Open to students of junior or senior standing who have been pre-approved by the faculty supervisor, department chair and dean. May be repeated for a total of one credit hour

**Teaching and Learning Methods**

- 1 - Training
- 2 - Presentation
- 3 - Lectures

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**Students Assessment**

| <u>Assessment Method</u> | <u>TIME</u>         | <u>MARKS</u> |
|--------------------------|---------------------|--------------|
| Training                 | during the semester | 20           |
| seminar                  | during the semester | 30           |
| Final Term Examination   | final term          | 50           |

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**Books and References**

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|-------------|---------------|
| Course note | lecture notes |
|-------------|---------------|