| Program | Level of studies | | | First cycle studies | | |
|--|---|---------------|---------------|---------------------|----|--------------|
| | Program name | | | Physics | | |
| Course name | MATHEMATICAL METHODS OF PHYSICS III | | | | | |
| Course ID | Semester | Course status | | ECTS credits L+E | | L+E |
| PTH7411 | VII | ELE | CTIVE | 4 | | 2+1 |
| Lecturer | Prof. dr. Aner Čerkić | | | | | |
| Aims and intended learning outcomes | Aim of the course is to introduce students into methods of the group theory and group representations, and into their applications to the description and analysis of the physical symmetries. Expected outcomes: Adopting the basic ideas in the finite group theory. Mastering the mathematical apparatus of the group theory Getting acquainted with discrete group symmetries and with their applications in physics. | | | | | |
| | physics | Course | content | | | |
| sum. Direct product tableaux. | | rator. Schu | r's lemma. Ch | | | ation. Young |
| Student workload (hours) | | Grading | | | | |
| Lectures and Exercis | | | Assessment m | ethod | Po | pints |
| Exam preparation | 40 | | | | | |
| Assignments | 10 | | | | | |
| | 5 | | | | | |
| Other | - | | Midterm e | exam | | 50 |
| Other Total | 100 |) | Final ex | | | 50 50 |
| | - |) | | | | |
| | - | | Final ex | | | 50 |