| | Level of studies | | Firs | First cycle | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|-------------|--------|
| Program | Program name | | Ph | Physics | |
| Course name MATHEMATICAL ANALYSIS FOR PHYSICISTS I | | | | | |
| Course ID | Semester | Cours | e status | ECTS | L+E |
| POT1721 | I | MANE | ATORY | 7 | 3+3 |
| Lecturer | Prof. dr. Nacima Memić | | | | |
| Aims and intended | Aim of the course is to develop the ability to deal with differential calculus. The students will be able to: -apply calculus in physics problems. -use various convergence tests. - describe the behaviour of differentiable functions. | | | | |
| | | Course | content | | |
| The nested in Sequences-Li Series and su Series with po Convergence Real functions | ositive terms criteria of series s-Limits unctions- Elementa vative- Basic rules differentials ns on calculus | Accumulation | point theorem | | |
| Student w | vorkload (hours) | | | Grading | |
| | | | Assessment metho | bd | Points |
| Lectures and Exercise | es 90 | | Tests during cours | e | 50 |
| Exam preparation | 85 | | Final exam | | 50 |
| Total | 175 | 5 | Total | | 100 |
| | | Litera | | | |