Study program: Modern computer technologies
Course title: Opto-laser Technologies
Professor/assistant: Danijela A. Aleksić
Type of course: elective
ECTS credits: 5
Pre-requisites: Digital electronics

Aims of the course:
The purpose of this course is to provide necessary skills and knowledge and introduce students to the operation of semiconductor opto-electronic devices from the point of view of their technology and implementation within communication technologies.

Learning outcomes:
The outcome is to train and profile experts who can work on design, development and maintenance of opto-electronic communication systems.

Syllabus

Theoretical part

Practical part

Literature

Number of active classes
Lectures: 30  Practical classes: 30  Research work:

Teaching methods
Combination of interactive approach with practical problem solving.

Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.

Pre-exam obligations points Final exam points
activity during theoretical lectures 20 written exam 30
practical training 30 oral exam
colloquium(s)/seminar papers 20
Sum 70 Sum 30