### Module title
Polymeric Materials 1: Technology of Modifying Polymers

### Abbreviation
08-PW1-092-m01

### Module coordinator
holder of the Chair of Chemical Technology of Material Synthesis

### Module offered by
Chair of Chemical Technology of Material Synthesis

### ECTS
5

### Method of grading
Numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
Graduate

### Other prerequisites
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### Contents
Methods of polymer synthesis; composition of polymers and polymer compounds; properties of polymers; technologies for the production of polymers compound and polymer components; means of characterisation of polymer compounds and polymer components.

### Intended learning outcomes
The students possess knowledge of the special properties of polymers and polymer compounds (e.g. time and temperature dependent viscoelastic behaviour). They know the characteristics of important production technologies (methods of polymer synthesis, compounding technologies, processing methods e.g. injection moulding) and understands the different ways of influencing properties of materials and manufactured products. They have knowledge of ways to calculate complex flow conditions in polymer processing machines and tools.

### Courses
(V + P (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
Written examination (90 minutes)

### Allocation of places
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
Master’s degree (1 major) Technology of Functional Materials (2010)
Master’s degree (1 major) Technology of Functional Materials (2009)