Module title			Abbreviation
Technology of Sensor and Actor Materials including Smart Fluids			08-SAM-122-m01

Module coordinator	Module offered by
holder of the Chair of Chemical Technology of Material Synthesis	Chair of Chemical Technology of Material Synthesis

ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	graduate	Admission prerequisite to assessment: successful completion of lab course.

Contents

German contents available but not translated yet.

Herstellung, Wirkungsweise und Anwendungen sensorischer und aktorischer Materialien wie Piezoelektrika, Formgedächtnismaterialien, magnetostriktive Materialien. Elektrorheologische und magnetorheologische Flüssigkeiten, Magnetofluide.

Intended learning outcomes

German intended learning outcomes available but not translated yet.

Der/Die Studierende verfügt über grundlegende Kenntnisse im Bereich der sensorischen und aktorischen Materialien.

Courses (type, number of weekly contact hours, language — if other than German)

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

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)

Allocation of places

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Additional information

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Functional Materials (2012)