

MODULE HANDBOOK

Module Name	:	Selective Topics in Physics of Magnetism and Photonics
Module Level	:	Bachelor
Abbreviation, if applicable	:	FI4221
Sub-heading, if applicable	:	
Semester/ term	:	
Module Coordinator(s)	:	
Lecturer(s)	:	
Language	:	Indonesian
Classification within the curriculum	:	
Teaching format/ class hours per week during the semester	:	Lectures in class, 14 weeks
Workload	:	
Credits Points	:	2
Requirements	:	
Learning goals	:	<p>Knowledge:</p> <p>(1) understand the "state of the art" of a cutting edge topic in the magnetic and photonic fields</p> <p>(2) understand the underlying physical phenomena and models</p> <p>Skill:</p> <p>(3) understand to implement the phenomena and able to perform either material functionalization, structural engineering and devices, or functional systems</p> <p>Competencies:</p> <p>(4) able to build and develop an idea to improve the model, improve functionality, improve calculations or modify existing devices / systems</p>
Content	:	This course is given for providing participants with knowledge of a current topic in the magnetic and photonic fields, which can be related to phenomena, materials, devices or application systems.