

Module Handbook

Module Name:	Scientific Communication
Module Level:	Bachelor
Abbreviation, if applicable:	FI4005
Sub-heading, if applicable:	
Courses included in the module, if applicable:	
Semester/term:	Fourth Years
Module coordinator(s):	
Lecturer(s):	
Language:	Bahasa Indonesia
Classification within the curriculum:	General Studies / Major Subject / Elective Studies
Teaching format / class hours per week during the semester:	3 hours lectures
Workload:	3 hours lectures, 6 hours individual study and Laboratories work, 16 weeks per semester, and total 144 hours a semester
Credit Points:	3
Requirements:	-
Learning goals/competencies:	<p>Knowledge:</p> <ul style="list-style-type: none"> - ability to describe criteria for precise and accurate measurements - ability to distinguish signal conditioning for physical measurements <p>Skills:</p> <ul style="list-style-type: none"> - ability to apply various sensors for physical measurements - ability to design and arrange configuration for a physical measurement system - ability to analyze the accuracy of the data by means of statistical method - ability to integrate the physical measurement system and statistical method
Content:	<p>This course is introduction: forms and purposes of scientific communication;</p> <p>Technical Writing: choosing a topic, searching literature, preparing draft, revising the draft, finalizing scientific papers and posters.</p> <p>Oral Presentation: technique of effective communication, the use of supporting media, time management, how to respond to question</p>
Study/exam achievements:	Students are considered to be competent and pass if at least get 50% of examinations (mid-term test, final test, quizzes), homework, Research based learning.
Forms of Media:	Slides and LCD projectors, blackboards, lab.
Literature:	<ol style="list-style-type: none"> 1. Katz, M. J., From Research to Manuscript, Springer, Dordrecht, 2006 Higham, N. J., Handbook of Writing for the Mathematical Sciences, SIAM, Philadelphia, 1998
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