



### Module Handbook

Module Name :	<i>Seminar Matematika</i> Seminar on Mathematics
Module level :	Bachelor degree/Undergraduate Program
Course Code :	4420102116
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	Not Applicable
Semester/Term	7 <sup>th</sup> / fourth year
Module coordinator(s)	Dr. R. Sulaiman, M.Si
Lecturer(s):	Prof. I Ketut Budayasa, Ph.D Prof. Dwi Juniati, Ph.D Prof. Manuharawati, M.Si Dr. Abadi, M.Sc Dr. Yusuf Fuad, M.App.Sc Dr. Agung Lukito, M.Si Dr. Atik Wintarti, M.Kom Dr. Budi Rahadjeng, M.Si Dr. Dian Savitri, M.Si Dr. Elly Matul Imah, M.Kom Dr. A'yunin Sofro, M.Si Yuliani Puji Astuti, M.Si Rudianto Artiono, M.Si Dwi Nur Yunianti, M.Si Budi Priyo Prawoto, M.Si M. Jakfar, M.Si Dimas Avian Maulana, M.Si
Language:	Bahasa Indonesia (Indonesian Language)
Classification within the curriculum:	Compulsory/ <del>Elective</del>
Teaching format/class hours per week during the semester:	2 contact hours of lectures ( <i>sks</i> or credit unit*)
Workload :	2 x 50 minutes lectures, 2 x 60 minutes structured activity, and 2 x 60 minutes individual activity per week, 14 weeks per semester 79.33 total hours per semester ~ 3.18 ECTS**
Credit Unit:	2 credit unit (3.18 ECTS)



Requirements:	PDP, Abstract Algebra II, Analisis Real 2, Probability and Statistics, Data Structures and Algorithm Analysis
Learning goals/competencies:	<p><b>Knowledge (KNO-1:</b> Demonstrating mathematical knowledge and mathematical insight)</p> <p>CLO-1: Able to demonstrate an understanding of mathematical knowledge and mathematical insight related to a specific topic in mathematics</p> <p><b>Knowledge (KNO-2:</b> Identifying and explaining the characteristics of mathematical problems)</p> <p>CLO-2: Able to identify and explain the characteristic of mathematical problems related to a specific topic in mathematics</p> <p><b>Skill (SKI-1:</b> Formulating and solving fundamental mathematical problems)</p> <p>CLO-3: Able to formulate fundamental mathematical problems related to a specific topic in mathematics.</p> <p><b>Skill (SKI-3:</b> Analyzing the formal structure of mathematical problems and relevant fields)</p> <p>CLO-4: Able to analyze the formal structure of mathematical problems related to a specific topic in mathematics</p> <p><b>Competences (COM-2:</b> Generating ideas used for completing mathematical tasks and to communicate them either in writing or orally, in accordance with scientific principles)</p> <p>CLO-5: Generalize the ideas used to complete tasks related to a specific topic in mathematics and able to communicate verbally or in writing.</p>
Content	This course provides understanding and mastery to students about the procedure for making proposals in accordance with applicable academic regulations, providing ways to explain the contents of the proposal and arguments against the contents of the proposal in the seminar.



Attribute Soft skill:	Active communication; Discipline; Collaboration; Responsibility; and Argumentation in class.																														
Study/exam achievements:	The final grade ( <i>NA</i> ) is calculated based on the following ratio:																														
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Learning Methods :	Student-centered approach; project-based learning; lecturer and discussion; and presentations (structured activities)																														
Form of Media:	Power point slides; video; worksheets, and textbooks																														



Literature (primary references):	<ol style="list-style-type: none"><li>1. Tim Unesa. 2014. Buku Panduan Penulisan Skripsi. Surabaya: Unesa Press.</li><li>2. Cargill, Margaret. 2013. Writing Scientific Research Articles, John Wiley &amp; Sons Inc.</li><li>3. Katz, Michael Jay. 2009. From Research to Manuscript, A Guide to Scientific Writing, Springer</li></ol>
Notes:	<p>*1 credit unit or <i>sks</i> in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p> <p>**1 credit unit or <i>sks</i> = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019</p>