

	<h2 style="text-align: center;">Module Description/Course Syllabi</h2> <p style="text-align: center;">Study Programme: Mathematics (Master Degree) Faculty of Mathematics and Natural Sciences Universitas Andalas</p>
<p>1. Course number and name</p>	<p>MAT82101 Seminar Proposal</p>
<p>2. Credits and contact hours/Number of ECTS credits allocated</p>	<p>2/3,02 ECTS</p>
<p>3. Instructors and course coordinator</p>	<p>Promotor and Co-promotor</p>
<p>4. Text book, title, author, and year</p>	<ul style="list-style-type: none"> - Appropriate journal/book - http://matematika.fmipa.unand.ac.id/magister/download-category/pedoman/
<p>5. Recommended reading and other learning resources/tools</p>	<p>Appropriate journal/book</p>
<p>6. Specific course information</p>	<p>A. Brief description of the content of the course (catalog description)</p>
	<p>This course discuss the topic research for each student, which involves the following components: 1. Abstract: An abstract is a concise summary of the thesis, usually limited to around 200 words. It provides an overview of the research conducted and its main findings. 2. Introduction: The introduction sets the stage for the thesis, outlining the research problem, its significance, and the research objectives. It often includes a hook to engage the reader. 3. Literature Review: This section reviews relevant academic literature to establish the context and theoretical framework for the research. 4. Methodology: The methodology details the research methods and techniques employed to collect and analyze data.</p> <p>References: A list of all the sources and references cited in the proposal thesis.</p>
	<p>B. Prerequisites or corequisites</p> <p>Compulsory courses (selective)</p>
	<p>C. Indicate whether a required or elective course in the program</p> <p>Required</p>
	<p>D. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)</p> <p>First cycle Master</p>
	<p>E. Year of study when the course unit is delivered (if applicable)</p> <p>1st year</p>
	<p>F. Semester when the course unit is delivered</p> <p>Odd/even semester</p>

<i>G. Mode of delivery (face-to-face, distance learning)</i>
Face to face
<i>7. Intended Learning Outcomes</i>
<p>ILO-1: Possess good ethics and integrity. PI-1. Possess academic ethics. PI-2. Demonstrate academic integrity.</p> <p>ILO-2: Mastering mathematical concepts and applications (real analysis, advanced linear algebra, and statistics) in solving complex mathematical problems. PI-1. Possess academic ethics. PI-2. Demonstrate academic integrity.</p> <p>ILO-3: Able to master one or several mathematical problems in analysis, algebra, applied mathematics, statistics and combinatorics. PI-1: Able to identify theories used in related mathematical problems. PI-2: Able to apply theories for advancement in related fields (advanced theory). PI-3: Able to use advanced theory to solve related mathematical problems.</p> <p>ILO-4: Mastering scientific techniques and developing them in solving research problems through multidisciplinary or interdisciplinary approaches. PI-1: Able to apply mathematical techniques in research problem-solving. PI-2: Able to analyse research problems. PI-3: Able to formulate theorems/models and prove their validity. PI-4: Able to use various mathematical software to solve complex mathematical problems.</p> <p>ILO-5: Able to work and conduct research in the field of mathematics and related fields of science by developing the latest issues independently or collaboratively and communicating them academically. PI-1: Capable of formally and correctly proving mathematical statements. PI-2: Able to employ relevant techniques for conducting research. PI-3: Capable of communicating research findings in an academic manner.</p> <p>ILO-6: Able to be actively involved in lifelong learning and sustainability. PI-1. Able to independently expand and deepen learning based on acquired knowledge. PI-2. Able to expand and deepen interdisciplinary competencies based on acquired knowledge. PI-3. Able to understand and apply the latest developments in mathematical theory.</p>
<i>8. Course Learning Outcomes</i>
<ol style="list-style-type: none"> 1. Students have good Research Skills: Develop advanced research skills, including the ability to formulate research questions, and design research methodologies. 2. Student have good Critical Thinking: Enhance critical thinking and problem-solving abilities to evaluate existing literature, theories, and research proposal. 3. Students have ability in Communication: Improve written and oral communication skills to effectively present and defend research proposal. 4. Students have ability to conduct a Literature Review: Conduct a comprehensive literature review, demonstrating an understanding of existing scholarship in the chosen

field.
5. Students are become Independence: Demonstrate the ability to work independently and self-motivate to complete a substantial research project.
6. <i>Brief list of topics to be covered</i>
Depend on selected research topic
7. <i>Learning and teaching methods</i>
1. Discussion
2. Directed learning
8. <i>Language of instruction</i>
Bahasa Indonesia
9. <i>Assessment methods and criteria</i>
Assessment rubric