



MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
SRIWIJAYA UNIVERSITY

FACULTY OF TEACHER TRAINING AND EDUCATION
BACHELOR PROGRAM IN MATHEMATICS EDUCATION

Jl. Raya Palembang – Prabumulih Km.32, Indralaya Ogan Ilir 30662 Website: <https://fkip.unsri.ac.id/mathedu/>

Bachelor Program in Mathematics Education

MODULE HANDBOOK

Module designation	:	Theory of Learning Mathematics / GMA2107
Semester	:	3 rd (Third) / Odd
Person responsible for the module	:	Dra. Indaryanti, M.Pd. Novika Sukmaningthias, M.Pd.
Language	:	Indonesian
Relation to the curriculum	:	Study Program Compulsory Course
Teaching methods	:	<ul style="list-style-type: none">• Expository, Representation, and Class Discussion. (Week 1-7 and Week 9-15)• Structured Assignment (Week 1-7 and Week 9-15)• Independent Activities. (Week 1-7 and Week 9-15)
Workload	:	14 weeks per semester excluding mid-term and final exams. 1 sks per week = 170 minutes, consisting of 50 minutes synchronous learning + 60 minutes asynchronous learning + 60 minutes systematic project. 170 minutes × 2 sks = 340 minutes = 5.67 hours per week 14 weeks × 5.67 hours = 79.38 hours 79.38 hours: 25 hours (1 ECTS) = 3.2 ECTS
Credit points	:	2 SKS = 3.2 ECTS
Prerequisite's course(s)	:	-
Module objectives	:	After taking this course, students have the ability to: CO 1: Demonstrate an attitude of responsibility in carrying out assigned tasks. CO 2: Explain learning theories based on their philosophical foundations, principles of learning and their implications, concepts of learning motivation and its application, approaches, steps of learning mathematics, strategies and methods of learning mathematics, and basic concepts of mathematics learning media. CO 3 : Use the basic concepts of mathematics learning media, basic concepts of quantum learning, understanding of learning problems, basic concepts of mathematics curriculum in schools and concepts of evaluating learning outcomes to solve problems related to student learning individually or in groups.



MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
SRIWIJAYA UNIVERSITY

FACULTY OF TEACHER TRAINING AND EDUCATION
BACHELOR PROGRAM IN MATHEMATICS EDUCATION

Jl. Raya Palembang – Prabumulih Km.32, Indralaya Ogan Ilir 30662 Website: <https://fkip.unsri.ac.id/mathedu/>

Content	: This course is course that aims to make students understand that one of the elements of an educator must have the ability to understand how students learn and an educator must have the ability to organize a learning process that can develop the abilities and forms of students, especially in mathematics learning. This course will discuss learning topics such as; Definition, characteristics, and reasons for learning, learning theories, learning principles and their implications, understanding learning motivation, the role and nature of learning motivation, learning approaches, learning strategies, learning media, Quantum Learning, learning problems, curriculum, and learning evaluation.																		
Examination forms	: Examinations in this course include: <ol style="list-style-type: none"> 1. Affective (actively participating during classroom processes) 2. Assignment to make a resume of the course in each meeting 3. Mid-term test in the 8th meeting 4. Final test in the 16th meeting 																		
Study and examination requirements	: It is expected that students attend 80% of the total meetings in the modules. Total Score = 25% × (affective + Assignments) + 35% × (mid-test) + 40% × (final test) The total score is converted into a qualitative score, <table border="1" data-bbox="589 1419 1203 1677"> <thead> <tr> <th>Total Score</th> <th>Grade</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>86 – 100</td> <td>A</td> <td>Excellent</td> </tr> <tr> <td>71 – 85.99</td> <td>B</td> <td>Good</td> </tr> <tr> <td>56 – 70.99</td> <td>C</td> <td>Fair</td> </tr> <tr> <td>41 – 55.99</td> <td>D</td> <td>Bad</td> </tr> <tr> <td>0 – 40.99</td> <td>E</td> <td>Worse</td> </tr> </tbody> </table> To be successful passing the module, the minimum grade required is C.	Total Score	Grade	Description	86 – 100	A	Excellent	71 – 85.99	B	Good	56 – 70.99	C	Fair	41 – 55.99	D	Bad	0 – 40.99	E	Worse
Total Score	Grade	Description																	
86 – 100	A	Excellent																	
71 – 85.99	B	Good																	
56 – 70.99	C	Fair																	
41 – 55.99	D	Bad																	
0 – 40.99	E	Worse																	
Reading lists	: Arifin, Z. 2012. Konsep dan Model Pengembangan Kurikulum. Bandung: PT. Rosdakarya Offset.																		



MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY
SRIWIJAYA UNIVERSITY

FACULTY OF TEACHER TRAINING AND EDUCATION
BACHELOR PROGRAM IN MATHEMATICS EDUCATION

Jl. Raya Palembang – Prabumulih Km.32, Indralaya Ogan Ilir 30662 Website: <https://fkip.unsri.ac.id/mathedu/>

	Dean, P. G. (2019). <i>Teaching and learning mathematics</i> . Routledge.
--	--

Date of last amendments: August 2024

PLO	CO
PLO 1: Having good morals, ethics and personality in completing tasks as a mathematics educator.	CO 1: Demonstrate an attitude of responsibility in carrying out assigned tasks
PLO 5: Having an understanding of the basic concepts of educational philosophy, approaches, methods, models, media, evaluation/assessment, and general knowledge to support mathematics learning and teacher competence in teaching practice in schools.	CO 2: Explain learning theories based on their philosophical foundations, principles of learning and their implications, concepts of learning motivation and its application, approaches, steps of learning mathematics, strategies and methods of learning mathematics, and basic concepts of mathematics learning media.
PLO 8: Able to apply innovative educational and mathematics learning concepts in teaching practice at school independently or in groups.	CO 3 : Use the basic concepts of mathematics learning media, basic concepts of quantum learning, understanding of learning problems, basic concepts of mathematics curriculum in schools and concepts of evaluating learning outcomes to solve problems related to student learning individually or in groups.