



UNIVERSITY OF LAMPUNG

FACULTY OF TEACHER TRAINING AND EDUCATION

Department of Physics Education

Jl. Prof. Dr. Soemantri Brodjonegoro No. 1 Bandar Lampung 35145

MODULE HANDBOOK

Bachelor in Physics education

Module name	Physics Learning Plans
Module level	Undergraduate
Code	KFI620214
Courses	Physics Learning Plans
Description	This lecture discusses learning planning in the form of syllabus and physics lesson plans at school with complete attachments (media & props, teaching materials/modules/student books, LKPD/LKS/Practicum Guidelines, and evaluation instruments). Material in this lecture includes the national education system and national standards of education, basic principles of curriculum development, and physics learning process planning. and planning of physics learning process in schools, preparation of syllabus and physics lesson plan in schools, as well as reviewing issues and issues of physics learning process in schools. school, as well as examining the issues and problems faced by physics teachers in developing and implementing the school curriculum.
Semester	Odd
Lecturer	Drs. Eko Suyanto, M.Pd
Contact Person	+62 812-7919-515
Language	Indonesian
Relation to curriculum	Undergraduate degree program, Mandatory, 2rd semester
Type of teaching, contact hours	Presentations, discussions, and team based projects
Workload	Contact hours: 14 weeks x 150 minutes Structured learning: 14 weeks x 180 minutes Independent study: 14 weeks x 180 minutes
Credit points	3 (3-0) CP or 4.8 (ECTS)

	$((14 \text{ weeks} \times 150 \text{ minutes}) + (14 \text{ weeks} \times 180 \text{ minutes}) + (14 \text{ weeks} \times 180 \text{ minutes})) : 60 \text{ minutes/hour} = 119 \text{ hours} : 25 \text{ hours of study/ECTS} = 4.8 \text{ (ECTS)}$
Requirements according to the Examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Learning outcomes (course outcomes) and their corresponding PLOs	After completing this module, a student is expected to: 1. KNO-3 : Applying Technology, Pedagogy, and Content Knowledge (TPACK) in planning, teaching, and evaluating physics learning. 2. KNO-4 : Using research methodology knowledge to solve physics education and learning problems. 3. SKI-1 : Able to plan, implement, and evaluate physics learning based on learning activities to develop critical thinking, creativity, and problem solving skills. 4. SKI-2 : Able to plan and carry out physics education research to solve physics learning problems.
Competencies/ Course Learning Outcomes	1. Students are able to explain the basic concepts of learning planning independently 2. Students are able to Assess the school physics curriculum 3. Students are able to Develop Semester Programs for school physics learning 4. Students are able to Develop School Physics Learning Implementation Plans (RPP) 5. Students are able to Develop teaching materials for school physics learning 6. Students are able to develop student worksheets (LKPD) for school physics learning 7. Students are able to develop school physics learning evaluation instruments and their rubrics, 8. Students are able to develop school physics learning task instruments and their rubrics.
Contents	1. The basic concept of lesson planning 2. The purpose of lesson planning 3. Aspects in lesson planning 4. Principles in lesson planning 5. Lesson planning steps 6. Criteria for preparing lesson plans

	7. The elements that must exist in the lesson plan 8. School Physics Curriculum 9. Practice preparing lesson plans (RPP, Semester Program, LKPD, Teaching Materials, and Evaluation Instruments)
Study and examination requirements and forms of examination	1. participants are evaluated based on ; 2. Participation Activities (10%) 3. Product (50%) 4. Assignment (20%) 5. Final Semester Exams (10%) 6. Midterm exams (10%)
Media employed	LCD, whiteboard, and online resources
Assessments and Evaluation	Written tests (assignments), product assessment check sheets, peer/performance assessments during presentations, observation sheets during class discussions
Reading list	1. Tobin, Kenneth. 2015. Handbook Pengajaran dan Pembelajaran Sains. Bandung: Nusamedia. 2. Gagnon, George W. & Michelle, Collay. 2001. Designing for Learning. California: Corwin Press, Inc. Sage Publication.