	COURSE SYLLABUS OF PHYSICS EDUCATION STUDY PROGRAMME FACULTY OF EDUCATIONAL SCIENCES UIN SYARIF HIDAYATULLAH JAKARTA					Document Code MH-PFIS
COURSE	**CODE**	**CORE MODULE**	**WEIGHT (CREDITS)**	**WORKLOAD FOR EACH MODULE (IN MINUTES)**	**SEMESTER**	**COMPILATION DATE**
THESIS	UIN6013311	Compulsory	6 SKS 9 ECTS	• Lecture : • Laboratory course: • Project work: 960.0 • Independent task: • Structured task: • Internship: **Total : 960**	8	March 4, 2024

Language details	Indonesian
Teaching methods	Self-Directed Learning (SDL), Cooperative Learning (CL)
Type of Examination	• Participation (Attendance / Quiz): 10% • Observation (Practice / Assignment): 40% • Performance (Presentation): • Oral Test (Group Assignment): 50% • Midterm Exam: • Final Exam:
Module Coordinator	Iwan Permana Suwarna, S.Pd, M.Pd
Lecturer	Iwan Permana Suwarna, S.Pd, M.Pd Kinkin Suartini,S.Pd, M.Pd Devi Solehat, S.Pd, M.Pd Ai Nurlaela, S.Si, M.Si Dwi Nanto, S.Si, M.Si, Ph.D Taufiq Al Farizi, S.Pd, M.PFis Erina Hertanti, S.Si, M.Si Fathiah Alatas, S.Pd, M.Si Dzikri Rahmat Romadhon, S.Pd, M.PFis Fuji Hernawati Kusumah, S.Pd, M.Si Reza Ruhbani Amarulloh, S.Pd, M.Pd Dr. Ahmad Suryadi, M.Pd.
Course Requirements	Have taken a minimum of 138 credits of lectures
Learning Outcomes	**PROGRAMME LEARNING OUTCOME (PLO)**
	PLO1 Graduates have expertise in physics and physics learning with an approach that is appropriate to Indonesia's social, cultural and environmental context. PLO2 Graduates have the ability to manage, develop and utilize technology in physics learning PLO3 Graduates have the ability to solve physics education problems using scientific methods

	PLO3 Graduates have the ability to solve physics education problems using scientific methods
	Intended Learning Outcome (ILO)
	CPL01 Mastering Professionalism skills in Physics Education: Mastering basic educational concepts, learning theories, and physics and mathematics concepts to design, implement, and evaluate innovative physics learning by utilizing information technology and the environment; able to plan, implement and evaluate innovative physics learning, utilize ICT and the surrounding environment to develop students' critical thinking skills and scientific attitudes, apply mathematical models in explaining physical phenomena, demonstrate independent and quality performance, be responsible for the achievement of group work results, carry out supervision and evaluation, as well as communicating effectively both written and verbally in educational and research contexts, as well as demonstrating good leadership and administrative skills; and demonstrate faith and devotion to God Almighty and uphold religious, moral and ethical values in every action. CPL03 Mastering Physics Education Research skills: Mastering physics education research methods and scientific writing techniques; able to conduct physics education research as a form of problem solving and present it in scientific work, assist in the implementation of physics education research, collect and analyze data, present findings professionally, prepare scientific descriptions of research results in the form of a thesis or final report, upload them on the university website, communicate effectively in a research context, demonstrating analytical and synthetic skills in solving research problems; and demonstrate enthusiasm and ethics in research and respect the results of other people's scientific work.
	Course Learning Outcome (CLO)
	CPMK UIN01.13.10 Mastering the principles and concepts of Topic Selection and Problem Identification: Selecting relevant topics and identifying research problems to be resolved., Literature Review: Conducting extensive literature research to gain a better understanding of the topic and previous research that has been carried out in this field., Determining Research Objectives: Establishing clear and specific research objectives, and determining the research questions or hypotheses to be tested., Research Methodology Design: Developing research methods that will be used to collect data, including data collection techniques, research samples, and procedure., Discussion and Approval of the Thesis Outline with the Supervisor: Submitting the thesis outline that has been created to the supervisor for discussion and approval., Writing the Introductory Chapter: Writing the introductory chapter which includes the background, problems, objectives and research methodology., Writing the Study Chapter Literature: Writing a literature review chapter which contains a summary of previous research relevant to the thesis topic. Writing a Research Methodology Chapter: Writing a methodology chapter which explains in detail how to collect data and the data analysis techniques used. Data Collection and Analysis: Carrying out the collection. data and data analysis according to predetermined methods. Writing the Results and Discussion Chapter: Writing the research results chapter and discussion based on the data analysis that has been carried out. Writing the Conclusions and Suggestions Chapter: Writing the conclusion and suggestions chapter based on the results and discussion. Preparation Bibliography: Make a bibliography based on reference sources used during research. Discussion and Revision of Manuscript with Supervisor: Discuss the manuscript that has been written with the supervisor and make revisions based on the input provided. Preparation of Final Manuscript for Session: Prepare the final manuscript of the thesis after carrying out revisions and obtaining approval from the supervisor with logical, critical and independent thinking and upholding religious, moral and ethical values CPMK UIN03.13.16 Mastering scientific methods in Topic Selection and Problem Identification: Selecting relevant topics and identifying research problems to be resolved., Literature Review: Conducting extensive literature research to gain a better understanding of the topic and previous research that has been carried out in this field., Determining Research Objectives: Establishing clear and specific research objectives, and determining the research questions or hypotheses to be tested., Research Methodology Design: Developing research methods that will be used to collect data, including data collection techniques, research samples, and procedure., Discussion and Approval of the Thesis Outline with the Supervisor: Submitting the thesis outline that has been created to the supervisor for discussion and approval., Writing the Introductory Chapter: Writing the introductory chapter which includes the background, problems, objectives and research methodology., Writing the Study Chapter Literature: Writing a literature review chapter which contains a summary of previous research relevant to the thesis topic. Writing a Research Methodology Chapter: Writing a methodology chapter which explains in detail how to collect data and the data analysis techniques used. Data Collection and Analysis: Carrying out the collection. data and data analysis according to predetermined methods. Writing the Results and Discussion Chapter: Writing the research results chapter and discussion based on the data analysis that has been carried out. Writing the Conclusions and Suggestions Chapter: Writing the conclusion and suggestions chapter based on the results and discussion. Preparation Bibliography: Make a bibliography based on reference sources used during research. Discussion and Revision of Manuscript with Supervisor: Discuss the manuscript that has been written with the supervisor and make revisions based on the input provided. Preparation of Final Manuscript for Session: Prepare the final manuscript of the thesis after carrying out revisions and obtaining approval from the supervisor with enthusiasm and paying attention to scientific ethics
	Sub-CLO
	SUB-CPMK UIN01.13.10.02.01 Students are able to analyze various relevant research topics - Able to identify research problems that need to be solved. SUB-CPMK UIN01.13.10.02.02 Students are able to evaluate previous research in the chosen field. SUB-CPMK UIN01.13.10.02.03 Students are able to formulate specific research objectives - Able to formulate research questions or hypotheses that will be tested. SUB-CPMK UIN01.13.10.02.04 Students are able to design appropriate research methods, including data collection techniques and procedures. SUB-CPMK UIN01.13.10.02.05 Students are able to discuss and analyze the thesis outline with the supervisor - Able to produce an approved thesis outline. SUB-CPMK UIN01.13.10.02.06 Students are able to write an introductory chapter which includes background, problems, objectives and research methodology. SUB-CPMK UIN01.13.10.02.07 Students are able to write a methodology chapter that explains data collection and data analysis techniques. SUB-CPMK UIN01.13.10.02.08 Students are able to collect data and analyze it according to predetermined methods. SUB-CPMK UIN01.13.10.02.09 Students are able to write Results and Discussion Chapters: Write chapters on research results and discussions based on the data analysis that has been carried out. SUB-CPMK UIN01.13.10.02.10 Students are able to write Conclusion and Suggestion Chapters: Write conclusion and suggestion chapters based on the results and discussion. SUB-CPMK UIN01.13.10.02.11 Students compile a bibliography: Make a bibliography based on reference sources used during research.

	SUB-CPMK UIN01.13.10.02.12 Students discuss and revise manuscript with supervisor: Discuss the manuscript that has been written with the supervisor and make revisions based on the input provided. SUB-CPMK UIN01.13.10.02.13 Students are able to prepare the final thesis text after revising and obtaining approval from the supervisor. | SUB-CPMK UIN03.13.16.01.01 Students can demonstrate behavior that reflects faith and devotion in every action and daily activity SUB-CPMK UIN03.13.16.01.02 Display an attitude that respects and respects the rights and freedoms of other individuals in various contexts, based on religious, moral and ethical values SUB-CPMK UIN03.13.16.01.03 Students can Students can Students can show feelings of love for their country and pride as citizens through actions that reflect a sense of responsibility towards the state and nation SUB-CPMK UIN03.13.16.03.01 Designing an innovative physics learning plan. SUB-CPMK UIN03.13.16.03.02 Evaluate the effectiveness of physics learning that has been implemented. SUB-CPMK UIN03.13.16.03.03 Demonstrate independent and measurable work performance with adequate quality SUB-CPMK UIN03.13.16.03.04 Prepare and publish scientific descriptions of study results in the form of academic reports SUB-CPMK UIN03.13.16.03.05 Make appropriate and effective decisions based on information and data analysis
Brief Description of the Course	This course is a Compulsory course in the Physics Education Program. The topics covered in this course include Problem identification process and research methods in physics education. The type of lecture used is Research/Research with the method Self-Directed Learning (SDL), Cooperative Learning (CL), conducted through Scientific, Effective.
Scientific Integration	#VALUE!
Research and Community Service Integration	
Learning Materials	Problem identification process and research methods in physics education
References	Buku Pedoman Penulisan Skripsi