



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
ISLAM AND SCIENCE	UIN6032202	Compulsory	3 SKS 4.5 ECTS	<ul style="list-style-type: none">• Lecture : 150.0• Laboratory course:• Project work:• Independent task: 180.0• Structured task: 180.0• Internship: Total : 520	6	March 4, 2024
Language details	Indonesian					
Teaching methods	Small Group Discussion, Contextual Instruction (CI)					
Type of Examination	<ul style="list-style-type: none">• Participation (Attendance / Quiz): 10%• Observation (Practice / Assignment):• Performance (Presentation):• Oral Test (Group Assignment): 20%• Midterm Exam: 30%• Final Exam: 40%					
Module Coordinator	Dr. Zaimudin M.Ag.					
Lecturer	Dr. Zaimudin M.Ag.					
Course Requirements	Has taken the FST6097I2I Basic Physics II course					
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					
	PLO1 Graduates have expertise in physics and physics learning with an approach that is appropriate to Indonesia's social, cultural and environmental context.					
	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. CPL05 Mastering skills in the Integration of Science and Religion: Mastering the knowledge and steps for integrating religion and science as a scientific paradigm; able to apply the principles of science integration in physics learning and physics education research, communicate effectively about science integration concepts in various forums, demonstrate the ability to think critically and reflectively, document, store, secure and rediscover data to ensure validity and prevent plagiarism; and show faith and devotion to God Almighty in every aspect of life, and respect religious values.					
	Course Learning Outcome (CLO)					
	CPMK UIN01.04.04 Mastering the principles and concepts of the History of the Development of Science in Islam, Philosophy of Science in an Islamic Perspective, Research Methods in an Islamic Perspective, Islam and Natural Science, Islam and Social Science, Islam and Humanities, Introduction to New Material The Relationship between Religion and Science in Islamic Perspective, Scientific Ethics in Islamic Perspective, Islam and Modern Technology, Controversy between Religion and Science: Islamic Perspective, Muslim Contribution to Science, Integration of Religion and Science with logical, critical and independent thinking and upholding religious values, morals and ethics					
	CPMK UIN05.04.22 Mastering knowledge and steps to integrate religious knowledge and science on the topics of History of the Development of Science in Islam, Philosophy of Science in an Islamic Perspective, Research Methods in an Islamic Perspective, Islam and Natural Science, Islam and Social Science, Islam and Humanities, New Material: The Relationship between Religion and Science in an Islamic Perspective, Scientific Ethics in an Islamic Perspective, Islam and Modern Technology, Controversy between Religion and Science: Islamic Perspective, Muslim Contribution to Science, Integration of Religion and Science by thinking critically and reflectively and showing faith and submission to God Almighty					

	<p>Sub-CLO</p> <p>SUB-CPMK UIN01.04.04.02.01 Students are able Students can analyze the contribution of famous Muslim scientists in the development of science - Students can connect the development of science in Islam with the social, political and cultural historical context of that time. - Students can evaluate the impact of the development of science in Islam on the development of global science.</p> <p>SUB-CPMK UIN01.04.04.02.02 Students can analyze the basic concepts and principles of philosophy of science in an Islamic context. - Students can connect the ideas of Islamic philosophy of science with the historical context of Islam and the principles of the Islamic religion. - Students can evaluate the relevance and practical application of the philosophy of science in the contemporary world.</p> <p>SUB-CPMK UIN01.04.04.02.03 Students can analyze the research approach used from an Islamic perspective and its basic principles. - Students can relate research methods to Islamic values and ethical principles. - Students can evaluate the relevance and application of research methods in the scope of science and research in the contemporary world.</p> <p>SUB-CPMK UIN01.04.04.02.04 Students can analyze the historical and conceptual relationship between Islam and natural science. - Students can identify ways in which Islamic principles influence views and practices in the natural sciences. - Students can evaluate contemporary issues related to the comparison between Islam and natural science, as well as their implications.</p> <p>SUB-CPMK UIN01.04.04.02.05 - Students can analyze Islamic perspectives on social issues and basic principles in social science. - Students can connect Islamic principles with concepts and practices in social science. - Students can evaluate the challenges and opportunities in applying Islamic thought in current social science research and practice.</p> <p>SUB-CPMK UIN01.04.04.02.06 Students can analyze Islamic perspectives on humanities issues and basic principles in the humanities. - Students can connect Islamic principles with concepts and practices in the humanities. -Students can evaluate the challenges and opportunities in applying Islamic thought in current humanities research and practice.</p> <p>SUB-CPMK UIN01.04.04.02.07 Students can analyze Islamic views on how religion and science interact and influence each other. - Students can identify how Islamic religious principles influence understanding and practice in science. - Students can evaluate the challenges and opportunities in applying Islamic thought in science and scientific research today.</p> <p>SUB-CPMK UIN01.04.04.02.08 Students can analyze the basic principles of scientific ethics from an Islamic perspective. - Students can identify how Islamic ethical principles influence scientific research and scientific practice. - Students can evaluate the challenges and complexities in applying the principles of scientific ethics in current research and science.</p> <p>SUB-CPMK UIN01.04.04.02.09 Students can learn about Islam and Modern Technology</p> <p>SUB-CPMK UIN01.04.04.02.10 Students learn about the Controversy between Religion and Science: Islamic Perspective</p> <p>SUB-CPMK UIN01.04.04.02.11 Students learn about Muslim contributions to Science</p> <p>SUB-CPMK UIN01.04.04.02.12 Students are capable of integrating religion and science</p> <p>SUB-CPMK UIN05.04.22.01.01 Demonstrate behavior that reflects faith and devotion in every action and daily activity</p> <p>SUB-CPMK UIN05.04.22.01.02 Display an attitude that respects and respects the rights and freedoms of other individuals in various contexts, based on religious, moral and ethical values</p> <p>SUB-CPMK UIN05.04.22.03.01 Building and maintaining a productive work network with supervisors, colleagues and peers</p> <p>SUB-CPMK UIN05.04.22.03.02 Conduct effective self-evaluation and manage learning independently</p>
Brief Description of the Course	This course is a Compulsory course in the Physics Education Program. The topics covered in this course include Knowledge and steps for scientific integration (religion and science). The type of lecture used is Lecture, Responsive with the method Small Group Discussion, Contextual Instruction (CI), conducted through Thematic, Holistic.
Scientific Integration	2. develop and enrich the theories, substances and objects of scientific study;
Research and Community Service Integration	
Learning Materials	Knowledge and steps for scientific integration (religion and science)
References	<p>Shihab, M. Q. (2004). Islam dan ilmu pengetahuan. Jakarta: Mizan.</p> <p>Madjid, N. (2009). Islam dan ilmu pengetahuan: Akal dan wahyu dalam perspektif Islam. Jakarta: Gramedia Pustaka Utama.</p> <p>Azra, A. (2007). Islam dan ilmu pengetahuan: Suatu tinjauan historis. Jakarta: PT RajaGrafindo Persada.</p>