



UIN SUNAN KALIJAGA YOGYAKARTA

FACULTY OF SCIENCE AND TECHNOLOGY

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Undergraduate Programme in Physics

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MODULE HANDBOOK

Module Name	Fieldwork												
Module level, if applicable	Bachelor												
Code, if applicable	FIS425078												
Subtitle, if applicable	-												
Courses, if applicable	Statistical Physics												
Semester(s) in which the module is taught	6 th (sixth)												
Person responsible for the module	Nugroho Budi Wobowo, M.Si.												
Lecturer(s)	Nugroho Budi Wobowo, M.Si.												
Language	Indonesia												
Relation to curriculum	Elective course in the third year (6 th semester) Bachelor Degree												
Type of teaching, contact hours	lectures, fieldwork, discussion												
Workload	20 hours lectures before Fieldwork Project 42 hours fieldwork 20 hours report fieldwork 8,6 hours for presentation Total of 90.6 hours a semester												
Credit points	2												
Requirements according to the examination regulation	Minimum attendance 75% All assignments submitted Attendance on time												
Recommended prerequisites	No prerequisites stated on												
Module objectives/intended learning outcomes	After completing this course, the students: CO 1. Able to conduct data acquisition using geophysical methods CO 2. Able to perform data processing from field acquisitions CO 3. Able to interpret and present the results of field data processing												
Content	<ol style="list-style-type: none"> 1. Resistivity 2D 2. Magnetic 3. Microseismic 4. Geology observation 												
Study and examination requirements and forms of examination	<p>The final mark will be weighted as follows:</p> <table border="1"> <thead> <tr> <th>NO</th> <th>Assessment methods (components, activities)</th> <th>Weight (percentage)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Final report</td> <td>30%</td> </tr> <tr> <td>2</td> <td>Presentation</td> <td>30%</td> </tr> <tr> <td>3</td> <td>Fieldwork activity</td> <td>40%</td> </tr> </tbody> </table>	NO	Assessment methods (components, activities)	Weight (percentage)	1	Final report	30%	2	Presentation	30%	3	Fieldwork activity	40%
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3	Fieldwork activity	40%											

	<p>The final assessment is expressed in the form of a letter value converted from a number value with the following categories:</p> <table border="1"> <thead> <tr> <th>NO</th> <th>Number Value</th> <th>Letter Value</th> <th>NO</th> <th>Number Value</th> <th>Letter Value</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>≥ 95</td> <td>A</td> <td>7</td> <td>65-69.99</td> <td>B/C</td> </tr> <tr> <td>2</td> <td>90-94.99</td> <td>A-</td> <td>8</td> <td>60-64.99</td> <td>C+</td> </tr> <tr> <td>3</td> <td>85-89.99</td> <td>A/B</td> <td>9</td> <td>55-59.99</td> <td>C</td> </tr> <tr> <td>4</td> <td>80-84.99</td> <td>B+</td> <td>10</td> <td>50-54.99</td> <td>C-</td> </tr> <tr> <td>5</td> <td>75-79.99</td> <td>B</td> <td>11</td> <td>55-34.99</td> <td>D</td> </tr> <tr> <td>6</td> <td>70-74.99</td> <td>B-</td> <td>12</td> <td><35</td> <td>E</td> </tr> </tbody> </table>	NO	Number Value	Letter Value	NO	Number Value	Letter Value	1	≥ 95	A	7	65-69.99	B/C	2	90-94.99	A-	8	60-64.99	C+	3	85-89.99	A/B	9	55-59.99	C	4	80-84.99	B+	10	50-54.99	C-	5	75-79.99	B	11	55-34.99	D	6	70-74.99	B-	12	<35	E
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Media employed	White-board, Lcd Projector, e-learning (https://daring.uin-suka.ac.id/)																																										
Reading list	<ol style="list-style-type: none"> 1. Statistical Mechanics, R.K.Pathria and P.D.Beale, 3rd edition, Elsevier 2. Thermodynamics, Kinetic Theory, and Statistical Thermodynamics, F.W.Sears and G.L.Salinger, 3rd edition, Addison Wesley 3. Statistical Mechanics : Entropy, Order Parameters, and Complexity, J.P.Sethna, Oxford University Press 4. Statistical Physics, L.D.Landau and E.M.Lifshitz, 3rd edition, Pergamon Press 																																										

PLO and CO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
CO 1			√	√				√	
CO 2			√	√				√	
CO 3			√	√				√	