

Name: Philosophy of Science and Research Methodology					
module/course code:	Student workload:	Credits (ECTS):	Semester	Frequency	Duration
IAF91001	510 Minutes/Week	4.53 ECTS	1	Even Semester	1x / Semester
Types of courses: Tutorial/Lecture/Response		Contact hours: 150 minutes/week	Independent study 360 minutes/week	Class size X students: 30 Students (S1)	
1	Prerequisites for participation -				
2	<p>Learning outcomes</p> <ol style="list-style-type: none"> <li>1. Students have a good understanding and true sincerity about the philosophy of science and research methodology</li> <li>2. Students have high curiosity in developing research methods</li> <li>3. Students have skills in applying research methods</li> <li>4. After taking this course, students are expected to be able to analyze the assumptions of the philosophy of science</li> <li>5. After taking this course, students are expected to be able to analyze the paradigm of the philosophy of science</li> <li>6. After taking this course, students are expected to be able to develop research roadmap with a choice of philosophy of science paradigm</li> <li>7. After taking this course, it is hoped that students will be able to conceptualize, design and implement the choice of philosophy of science paradigm in research and methods that are relevant to the development of the studies being carried out</li> <li>8. After taking this course, students are expected to be able to justify scientific 'truth' in accordance with the choice of paradigm and research method in accordance with the studies conducted.</li> </ol>				
3	<p>Description</p> <p>This course discusses how to build and explore a philosophy of science and research methodology. Broadly speaking, this course is divided into four subjects, namely: philosophy of science, quantitative paradigm, qualitative paradigm and mixed method paradigm.</p>				
4	Teaching methods: Lectures, Group discussions				
5	Assessment methods: Presentation 15% Discussion 15% Task 20% MIDDLE SEMESTER EXAM 25% FINAL SEMESTER EXAM 25%				
6	<p>Other information e.g. bibliographical references:</p> <p>C.1 Mandatory</p> <ol style="list-style-type: none"> <li>1. Yin, Robert K. 2014. Case Study Research: Design and Methods. London: SAGE Publications Inc.</li> <li>2. Creswell, J.W and Clark, VLP. 2017. Designing and Conducting Mixed Method Research. New York: SAGE Publications Inc.</li> <li>3. Creswell, J.W. and Poth, Cheryl N. 2018. Qualitative Inquiry &amp; Research Design: Choosing Among Five Approaches. London: SAGE Publications Inc.</li> </ol> <p>C.2 Complementary</p> <ol style="list-style-type: none"> <li>1. Murchison, Julian M. 2010. Ethnography Essentials: Designing, Conducting and Presenting Your Research. USA: John Wiley and Son.</li> </ol>				