

Educational Scientific Design Research

Course Title: Educational Scientific Design Research					
Course Code: CIE60031	Student Workload: 8.50 Hours/ Weeks	Credits: 3 Credits (4.50 ECTS)	Semester: 7 th Semester	Frequency: Odd Semester	Duration: 16 Weeks/ Semester (<i>Lecture and practical work: 14 weeks; Midterm assessment: 1 week; Final assessment: 1 week</i>)
1	Types of Courses: Technological Pedagogical Content Knowledge: Research and Field Work Course	Contact Hours: <i>Lecturing: 2.50 Hours/ Week; Practical Work: 0.00</i> Hours/ Week	Independent Study: <i>Self-study: 3.00 Hours/ Week; Structured Assignment: 3.00 Hours/ Week</i>	Class Size: 40 Students	
2	Prerequisites for Participation (If Applicable): 1. Research Methodology and Scientific Writing 2. Educational Philosophy and Science 3. Bahasa Indonesia 4. Instructional Planning and Design 5. Instructional Media Interaction Design 6. Information System Analysis and Design				
3	Learning Outcomes: 1. M1: Able to explain research and development in the field of education (ILO-7) (0,2) 2. M2: Able to implement development procedures (ILO-10) (0,2) 3. M3: Able to understand aspects of research and development (ILO-10) (0,2) 4. M4: Able to prepare research and development proposals (ILO-12) (0,4)				
4	Subject aims/Content: At the end of the course, students are expected: 1. L1: Able to explain definitions, characteristics, domains, procedures, and educational research approaches (M1) 2. L2: Able to apply research and development procedures (M2) 3. L3: Able to analyze product test steps (M3) 4. L4: Able to understand the presentation of data and questionnaires (M3) 5. L5: Able to prepare research and development proposals (M4)				
5	Teaching Methods: Lecturing, Group Discussion, Discovery Learning, Case-Based Learning				
6	Assessment Methods: Multiple choice, essay, anecdotal record/logbook/review				
7	This Course is Used in The Following Study Programme/s as Well: -				
8	Responsibility for Course: Faizatul Amalia, S.Pd., M.Pd. Wibisono Sukmo Wardhono, S.T., M.T.				
9	Other Information: Bibliography: 1. Hasibuan, Z.A., Metodologi Penelitian pada Bidang Ilmu Komputer dan Teknologi Informasi, 2007. 2. Kothari, C.R., Research Methodology: Methods and Techniques, 2nd Edition, New Age Total Publishers, 2004. 3. Goddard, W. dan Melville, S., Research Methodology: An Introduction, 2nd Edition, Juta, 2007. 4. Matthews, JR. dan Matthews, RW., Successful Scientist Writing, CambrigeUniv, Press. Cambridge. 2008.				

	5. William, S. dan White, E.B., The Elements of Style (50th anniversary edition), Longman Pub Group, 2008.
	6. Panduan Skripsi Edisi Ketiga, Fakultas Ilmu Komputer (FILKOM) UB, 2018.