Research Methodology and Scientific Writing

Course Title: Research Methodology and Scientific Writing									
		Student	Juc			nester:	Fraguera	7.	Duration:
		Student Workload:					Frequency: Odd Semester		Duration: 16 Weeks/
		8.50 Hours/			5 th Semester		Oud Selliestel		Semester
COM	00031	Weeks		(4.50 EC15)					(Lecture: 14
		WCCKS							weeks;
									Midterm
									assessment: 1
									week; Final
									assessment: 1
									week)
1	Types of Courses:		Contact Hours:		Independent Study:		Class Size:		
	Research and Field Work (TPCK) Course		Lecturing: 2.50 Hours/			Self-study.	3.00	40 Students	
			Week; <i>Practical Word</i> 0.00 Hours/ Week		rk:	Hours/Week;			
						Structured			
						Assignment: 3.00			
						Hours/ Week			
2	Prerequisites for Participation (If Applicable):								
3	Loaming Outgomes								
3	Learning Outcomes: 1. M1: Able to self-evaluate and manage research in the information technology education								
	context.								
	2. M2: Able to document, store, secure, and rediscover research data to ensure the								
	validity of research and prevent plagiarism.								
	3. M3: Able to draft academic work in the form of scientific publications.								
4	Subject aims/Content:								
	At the end of the course, students are expected: 1. L1: Able to carry out the research process independently with various scientific								
	methods to answer the specific educational research problem in the information								
	technology education context.								
	2. L2: Able to carry out primary and secondary data acquisition as well as validation and								
	reliability tests to ensure the validity and accuracy of research and prevent plagiarism. 3. L3: Able to write a research plan in the form of a thesis proposal draft, write a scientific article draft, and know how to publish it.								
5	Teaching Methods:								
	Lecturing, Group Discussion, Case-Based Learning								
6	Assessment Methods:								
	Essay, document assessment, peer assessment								
7	This Course is Used in The Following Study Programme/s as Well:								
8	Responsibility for Course:								
	1. Ir. Admaja Dwi Herlambang, S.Pd., M.Pd.								
	2. Retno Indah Rokhmawati, S.Pd., M.Pd.								
	3. Faizatul Amalia, S.Pd., M.Pd.								
9	Other Information:								
	Bibliography:								
	1. Berndtsson, M., Hansson, J., Olsson, B., & Lundell, B. 2008. Thesis Projects: A Guide for								
	Students in Computer Science and Information System-Second Edition. London:								
	Springer-Verlag.								
	2. Creswell, J.W. 2013. Research Design: Qualitative, Quantitative, and Mixed Method								
	Approaches-Fourth Edition. USA: SAGE Publications. 3. Dawson, C.W. 2009. Projects in Computing and Information Systems: A Student's								
	Guide-Second Edition. New York: Addison-Wisley.								
	4. Fraenkel, J.R. & Wallen, N.E. 2009. How to Design and Evaluate Research in Education:								
	Seventh Edition. New York: McGraw-Hill.								
<u> </u>	1	50,511th Balti	4 1	ISIM Picara					

Compulsory Course Handbook Bachelor Program of Information Technology Education Computer Science Faculty, Universitas Brawijaya

- Recker, J. 2013. Scientific Research in Information Systems: A Beginner's Guide. New York: Springer.
- 6. Ramdani, Fatwa. 2019. Kuriositas: Metode Ilmiah Penelitian Teknologi Informasi. UB Press, Malang.
- 7. Ebad, Ryhan. (2014). Research Methodology in Computer Science. Centrum Press
- 8. Wiersma, William & Jurs, S.G. (2009). Research Methods in Education: An Introduction. 9th Edition. Pearson. United States of America.
- 9. Hassani, H. 2017. Research Methods in Computer Science: The Challenges and Issues. Cornell University, Available at https://arxiv.org/abs/1703.04080
- Holz, H. J., Applin, A., Haberman, B., Joyce, D., Purchase, H., & Reed, C. (2006). Research methods in computing. Working Group Reports on ITiCSE on Innovation and Technology in Computer Science Education - ITiCSE-WGR '06. doi:10.1145/1189215.1189180
- 11. Hasibuan, Z.A., (2007). Metodologi Penelitian pada Bidang Ilmu Komputer dan Teknologi Informasi (Konsep, Teknik, dan Aplikasi). Fakultas Ilmu Komputer Universitas Indonesia, Depok.
- 12. Maturidi, A.J., (n.d.) Metode Penelitian Teknik Informatika. Deepublish. Sleman, Jogjakarta.
- 13. Singh, K.Y. (2006). Fundamental of Research Methodology and Statistics. New Age International (P) Limited, Ansari Road, Daryaganj, New Delhi
- 14. Kothari, C.F. (2004). Research Methodology, Methods and Techniques, Second Revised Edition. New Age International (P) Limited, Ansari Road, Daryaganj, New Delhi