



UNIVERSITAS NEGERI YOGYAKARTA
POSTGRADUATE DEPARTMENT OF ELECTRONICS AND
INFORMATICS ENGINEERING EDUCATION

Jalan Colombo Nomor 1 Yogyakarta 55281
 Telepon: (0274) 586168 Pesawat 216, 289, 292; Fax. (0274) 586734
 Laman: ft.uny.ac.id, E-mail: humas_ft@uny.ac.id

Master of Education in Electronics and Informatics Engineering

MODULE HANDBOOK

Module name:	Technology Enhanced Learning
Module level,if applicable:	Postgraduate
Code:	PTI 8202
Sub-heading,if applicable:	-
Classes,if applicable:	-
Semester:	1st
Module coordinator:	Prof. Herman Dwi Surjono, M.Sc., M.T., Ph.D.
Lecturer(s):	Prof. Herman Dwi Surjono, M.Sc., M.T., Ph.D.
Language:	Bahasa Indonesia
Classification within the curriculum:	Expertise Courses (EC)
Teaching format / class hoursperweekduring the semester:	100 minutes lectures, 120 minutes for individual/group assignment, and 120 minutes for self-study
Workload:	Total workload is 90 hours and 40 minutes per semester which consists of 100 minutes lectures, 120 minutes for individual/group assignment and 120 minutes self-study per week for 16 weeks.
Creditpoints:	2
Prerequisites course(s):	-
Course outcomes:	After taking this course the students have ability to: CO1. Understanding about the concepts of Distance Learning and Blended Learning. CO2. Apply Technology and Media Innovation in teaching and learning CO3. Apply the Media Design and Development in teaching and learning CO4. Understand the Technical support of Instructional Technology and learner support in TEL CO5. Apply design of TEL to support teaching and learning CO6. Apply E-teaching and smart learning
Content:	This course provided knowledge and skills in mastery of technology in the education and learning process. The course provides insight into learning technology that can be developed by students in accordance with the vocational education field of interest. In this course we study about: Distance Learning; Blended Learning; Technology and Media Innovation; Media Design and Development; Technical support of Instructional



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	Technology; Learner support in TEL; Design of TEL; E-teaching; and Smart learning		
Study/exam achievements:	Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude. The student is given a value of very good or not good attitude, if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude. The final mark will be weight as follow:		
	CO	Assessment Object	Assesment Technique
	CO1 – CO6	Presentation of the collaborative works	Presentation
		Collaborative skills	Observation
		Scientific papers	Assignment
	Total		100%
Forms of media:	Board, LCD Projector, Laptop/Computer		
Literature:	<ol style="list-style-type: none"> 1. Daniela, L. (Ed.), 2019. Didactics of Smart Pedagogy: Smart Pedagogy for Technology Enhanced Learning. Springer International Publishing. 2. Duval, E., Sharples, M., Sutherland, R. (Eds.), 2017. Technology Enhanced Learning: Research Themes. Springer International Publishing. 3. Flavin, M., 2017. Disruptive technology enhanced learning: the use and misuse of digital technologies in higher education. 4. Matt Bower, Design of Technology-Enhanced Learning : Integrating Research and Practice, Emerald Publishing Limited, Bingley, United Kingdom, 2017. ISBN10 1787141837 5. Tania Di Mascio, Pierpaolo Vittorini, Rosella Gennari, Fernando De la Prieta, Sara Rodríguez, Marco Temperini, Ricardo Azambuja Silveira, Elvira Popescu, Loreto Lancia; 2019; Methodologies and Intelligent Systems for Technology Enhanced Learning, 8th International Conference; Springer International Publishing 		



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	<p>6. Yael Kali, Ayelet Baram-Tsabari, Amit M. Schejter; 2019; Learning In a Networked Society: Spontaneous and Designed Technology Enhanced Learning Communities; Springer International Publishing;</p> <p>7. Michael Flavin (auth.); 2017; Disruptive Technology Enhanced Learning: The Use and Misuse of Digital Technologies in Higher Education; Digital Education and Learning;</p>
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PLO and CLO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1										
CO2					✓	✓				
CO3					✓	✓				
CO4										
CO5					✓	✓	✓	✓		
CO6					✓	✓	✓	✓		