

FI347 Information and Communication Technology

Module name:	Information and Communication Technology	
Module level, if applicable:	Undergraduate	
Code:	FI347	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	3 rd	
Module coordinator:	Waslaludin	
Lecturer(s):	Waslaludin	
Language:	Bahasa Indonesia	
Classification within the curriculum:	Elective course	
Type of Teaching	Contact hours per week during the semester	Class Size
<ol style="list-style-type: none"> 1. Lecture (conceptual, contextual and problem-solving approaches through expository, discussions and simulation). 2. Structured activities (assignments based on conceptual, contextual and problem-solving approaches) 3. Self-study (reading literature) 	1 hour 40 minutes	35
Workload:	Total workload is 90 hours 3,2 ECTS (5440 minutes) per semester which consists of 1400 minutes (0.82 ECTS) lectures, 1680 minutes (0.98 ECTS) structured activities, 1680 minutes (0.98 ECTS) self-study per week for 14 weeks, 400 minutes (0.2 ECTS) for each exam, and 480 (0.22 ECTS) minutes for each exam preparation.	
Credit points:	3.2 ECTS	
Pre-requisites course(s):	-	
Course Learning Outcomes (CLO):	<p>After taking this course, the students have the ability to:</p> <p>CLO1: Explain industrial revolution 4.0 and society 5.0.</p> <p>CLO2: Explain information communication technology and Office Applications.</p> <p>CLO3: Explain cloud computing and web programming</p> <p>CLO4: Explain visual programming, visual "block" programming code studio.</p> <p>CLO5: Explain Neuro-linguistic programming.</p> <p>CLO6: Explain the concept of digitalization of automation in Revolution Industry 4.0.</p> <p>CLO7: Explain digital literacy 1, improvement of positive</p>	

	<p>content skills such as fact-checking, influencers, blogging, YouTubers, and wisdom social media, digital economic development such as online sales, digital start-ups, and also digital parenting.</p> <p>CLO8: Explain digital literacy 2, improved anti-negative content skills such as hoaxes, cyberbullying, hate speech, pornography, piracy, radicalism, and racial intolerance</p> <p>CLO9: Explain digital literacy 3, development of digital transformation skills such as coding, big data analytics, cybersecurity, privacy awareness, regulation, and artificial intelligence.</p>																															
<p>Content:</p>	<p>Industrial Revolution 4.0 and Society 5.0; Information Communication Technology and Office Applications; cloud computing and web programming; visual programming, visual "block" programming code studio; Neuro-linguistic programming; The concept of digitalization of automation in Revolution Industry 4.0; Learn digital literacy 1 (improvement of positive content skills such as fact-checking, influencers, blogging, YouTubers, and wisdom social media, digital economic development such as online sales, digital start-ups, and also digital parenting); digital literacy 2 (improved anti-negative content skills such as hoaxes, cyberbullying, hate speech, pornography, piracy, radicalism, and racial intolerance); digital literacy 3 (development of digital transformation skills such as coding, big data analytics, cybersecurity, privacy awareness, regulation, and artificial intelligence)</p>																															
<p>Study/exam achievements:</p>	<p>The final mark will be weight as follow:</p> <table border="1" data-bbox="655 1099 1433 1485"> <thead> <tr> <th>No</th> <th>CLO</th> <th>Assessment Object</th> <th>Assessment Techniques</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">1 – 5</td> <td>Subject specific competences:</td> <td>Written</td> <td></td> </tr> <tr> <td>a. Individual assignments</td> <td>Written test</td> <td>10%</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2">6 – 9</td> <td>b. Mid Exam</td> <td>Written test</td> <td>40%</td> </tr> <tr> <td>c. Individual assignments</td> <td>Written</td> <td>10%</td> </tr> <tr> <td></td> <td></td> <td>d. Final Exam</td> <td>Written test</td> <td>40%</td> </tr> <tr> <td colspan="4">Total</td> <td>100%</td> </tr> </tbody> </table>	No	CLO	Assessment Object	Assessment Techniques	Weight	1	1 – 5	Subject specific competences:	Written		a. Individual assignments	Written test	10%	2	6 – 9	b. Mid Exam	Written test	40%	c. Individual assignments	Written	10%			d. Final Exam	Written test	40%	Total				100%
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<p>Forms of media:</p>	<p>Board, LCD Projector, Laptop/Computer, LMS</p>																															
<p>Literature:</p>	<ol style="list-style-type: none"> 1. Heeks, R. (2018). Information and communication technology for development (ICT4D). Routledge, Taylor & Francis Group. 2. Amit Joshi. (2021). Information and Communication Technology for Competitive Strategies (ICTCS 2020): ICT: Applications and Social Interfaces. Springer. 3. Garcia, O. A., & Kotturi, P. (2019). Information and Communication Technologies for Development Evaluation. 																															

