



**MODULE HANDBOOK**  
**CAPITA SELECTA OF COMPUTATIONAL SCIENCE**

**BACHELOR DEGREE PROGRAM**  
**DEPARTMENT OF MATHEMATICS**  
**FACULTY OF SCIENCE AND DATA ANALYTICS**  
**INSTITUT TEKNOLOGI SEPULUH NOPEMBER**

# MODULE HANDBOOK

## CAPITA SELECTA OF COMPUTATIONAL SCIENCE

Module name	<b>Capita Selecta of Computational Science</b>	
Module level	Undergraduate	
Code	KM184831	
Course (if applicable)	Capita Selecta of Computational Science	
Semester	Spring (Genap)	
Person responsible for the module	Dr. Dwi Ratna S, MT	
Lecturer	Dr. Dwi Ratna S, MT	
Language	Bahasa Indonesia and English	
Relation to curriculum	Undergraduate degree program, <b>elective</b> , 8 <sup>th</sup> semester.	
Type of teaching, contact hours	Lectures, <60 students <b>Tuesdays, 11.00-12.50 (GMT+7)</b>	
Workload	<ol style="list-style-type: none"> <li>1. Lectures : 2 x 50 = 100 minutes per week.</li> <li>2. Exercises and Assignments : 2 x 60 = 120 minutes (2 hours) per week.</li> <li>3. Private learning : 2 x 60 = 120 minutes (2 hours) per week.</li> </ol>	
Credit points	2 credit points (sks)	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.	
Mandatory prerequisites	-	
Learning outcomes and their corresponding ILOs	<p>Course Learning Outcome (CLO) after completing this module,</p> <p>Students are able to study new topic about Computer Science.</p> <p>Students are able to understand and relay material from paper / related papers in the form of presentation.</p>	<p>CLO-01</p> <p>CLO-02</p>
Content	In this lecture, new topics about Computer Science are examined. Papers on this topic are presented in the form of discussions and presentations. It is expected that the topics of the final project will emerge.	
Study and examination	<ul style="list-style-type: none"> <li>• In-class exercises</li> <li>• Assignment 1, 2, 3</li> </ul>	

requirements and forms of examination	<ul style="list-style-type: none"> <li>• Mid-term examination</li> <li>• Final examination</li> </ul>
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.
Reading list	Main : Books and papers for related topics Supporting :