User Interface

Module name	User Interface Design
Module level	Undergraduate
Code	IF221120
Courses (if applicable)	User Interface Design
Semester	4
Lecturer	Yisti Vita Via, S.ST, M.Kom (PIC) Agung Mustika Rizki, S.Kom, M.Kom Firza Prima Aditiawan, S.Kom, M.TI Hendra Maulana, S.Kom, M.Kom
Language	Bahasa Indonesia and English
Relation to curriculum	Undergraduate degree program; compulsory; 4th semester
Type of teaching, contact hours	Lectures, < 60 students
Teaching Methods	Case study, collaborative learning, project-based learning, problem-based learning
Workload	1. Lectures: 3 sks x 50 = 150 minutes (2 hours 30 minutes) per week. 2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week. 3. Private study: 3 x 60 = 180 minutes (3 hours) per week
Credit points	3 credit points (sks)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Mandatory prerequisites	Advanced Database
Courses description	User Interface Design is a course that delves into the knowledge of designing interfaces for software. The covered topics include the design, implementation, and evaluation of software interfaces. Some of the key subjects discussed in this course are: interface design concepts, the distinctions between UI and UX, the application of UI and UX, as well as creating user interactions as simple and efficient as possible, focusing on achieving user goals, often referred to as User-Centered Design.

Learning outcomes and their corresponding PLOs	After completing this module, a student is expected to:	
	CO1 Students demonstrate proficiency in elucidating the definitions and terminologies in user interface design. Moreover, they exhibit competence in applying interface design models accurately to fulfill the requirements of each interface prototype interaction. (C2, A2)	PLO5, PLO7, PLO9
	CO2 Students are capable of applying and constructing interface designs, both in theoretical concepts and practical implementations using programming languages correctly. (C3, P4)	PLO5, PLO7, PLO9
	CO3 Students are proficient in evaluating and presenting interface design performance accurately. (C5, P3)	PLO5, PLO7, PLO9
Content	Human Information Processing Systems; Interface Development Models; Fundamentals of Interactive Design; UI/UX Design; Design Thinking for

	Interface Design; Principles of UI Design and UX Design; Design Sprint and Interaction Design; Communicating UI/UX Design Prototypes to Software Design.
Media employed	LCD, whiteboard, websites, books (as references), online meeting, etc.
Assessments and Evaluation	One written Midterm assessment (60 minutes) and one final oral exam (30 minutes), two short computer-based quizzes, takehome written assignments
Study and examination requirements and forms of examination	The final grade in the module is composed of: • Two short computer-based quizzes: 15% x 2 = 30% • Take-home written assignments: 15% • Written Midterm assessment: 25% • Final oral exam: 30% Students must have a final grade of 55.6% or higher to pass.
Reading List	C. Guger, N. F. Ince, M. Korostenskaja & B. Z. Allison, Brain-Computer Interface Research: A State-of-the-Art Summary 11. Springer, 2024. J. Fass, T. Revell, B. Stopher, E. Verhoeven, Design and Digital Interfaces: Designing with Aesthetic and Ethical Awareness. Bloomsbury Visual Arts, 2021. S. Kaur, Ultimate UI/UX Design for Professionals: Create Impactful, User-Centric Designs with Research and Collaboration Techniques for Seamless Responsive Web Interfaces. Orange Education, 2024. F. Staiano, Designing and Prototyping Interfaces with Figma, Second Edition. Packt Publishing, 2023. ISBN: 9781835464601. [Online]. Available: https://portal.igpublish.com/iglibrary/obj/PACKT0006985?searchid=1754972524073~0f2w4y4uAWD7dqgUL8OO D. Luna, A. Albuero, Essentials of user interface design. Arcler Press, 2022. ISBN: 9781774691366. [Online]. Available: https://portal.igpublish.com/iglibrary/obj/ARCLER0001040?searchid=1754973153218p3ahjPVlEJgG4nD3QJFnH - Lal, Bechoo, Software design. Toronto Academic Press, 2024. ISBN: 9781774697795. [Online]. Available: https://portal.igpublish.com/iglibrary/obj/ARCLER0001583?searchid=17549735130601WF5BFh~WiAFsMHBYuTDq - Ferguson, Harley, Strategic leadership in responsive web design: a tech leader's guide to achieving business excellence by adopting responsive web design. Packt Publishing, 2024. ISBN: 9781835080788. [Online]. Available: https://portal.igpublish.com/iglibrary/obj/PACKT0007641?searchid=1754974252830e0oTyXUCQksstSLam1f2d