<table>
<tr><td>Module designation</td><td>Development of Instructional Media
Course code: 1000002054</td></tr>
<tr><td>Semester(s) in which the module is taught</td><td>Semester 6 (Third year)</td></tr>
<tr><td>Person responsible for the module</td><td>Coordinator: Dr. Susanah, M.Pd.
Teaching staff: Dr. Janet Trineke Manoy, M.Pd.; Dr. Ismail, M.Pd.; Dr. Susanah, M.Pd.; Dr. Siti Khabibah, M.Pd.; Ika Kurniasari, S.Pd., M.Pd.; Dr. Sri Suryanti, S.Pd., M.Si.; Nurus Saadah, S.Pd., M.Pd.; Dr. Sugi Hartono, M.Pd.; Dr. Nonik Indrawatiningsih, M.Pd.</td></tr>
<tr><td>Language</td><td>Indonesian</td></tr>
<tr><td>Relation to curriculum</td><td>Compulsory</td></tr>
<tr><td>Teaching methods</td><td>Lectures, tutorial assignments, and individual study
Media and tools: Slides and LCD projectors, whiteboard</td></tr>
<tr><td>Workload (incl. contact hours, self-study hours)</td><td>(Estimated) total workload: 2 CU × 170 minutes × 16 weeks = 5,440 minutes = 90.67 hours (≈ 3.18 ECTS)
Contact hours: lectures, 2 × 50 minutes per week × 16 weeks = 26.67 hours (class hours per week: 340 minutes = 5.67 hours, including structured activities)
Private study including examination preparation: structured assignments, 2 × 60 minutes per week × 16 weeks = 32.00 hours; independent study, 2 × 60 minutes per week × 16 weeks = 32.00 hours (total 64.00 hours)</td></tr>
<tr><td>Credit points</td><td>2 CU (3.18 ECTS)
1 CU = 170 minutes per week × 16 weeks = 45.3 hours; 1 ECTS = 28.48 hours (144 CU = 229 ECTS), so 1 CU = 1.59 ECTS (UNESA Rector's Decree No. 736/HK/KM/2023).</td></tr>
<tr><td>Required and recommended prerequisites for joining the module</td><td>None</td></tr>
<tr><td>Module objectives/intended learning outcomes</td><td>Programme learning outcomes (PLO) addressed:
PLO-3: Develop logical, critical, systematic and creative thinking in carrying out specific work in the field of expertise and in accordance with the work competency standards in the relevant field.
PLO-5: Apply the basic principles of mathematics to solve simple mathematical problems.
PLO-6: Demonstrate mathematical knowledge and insight.
PLO-7: Demonstrate pedagogical knowledge in designing, implementing and evaluating mathematics learning.</td></tr>
<tr><td>Content</td><td>Study the definitions, types/classifications, and functions of instructional media, as well as the fundamentals of media development; and be able to select, design, and produce instructional media by utilizing the surrounding environment (contextual) and IT/digital/AR/VR through individual and group project-based assignments.</td></tr>
<tr><td>Examination forms</td><td>Final score is calculated from the weekly assessment scheme below (CLO/PLO addressed and weight of each assessment):<table><tr><th>Week</th><th>CLO</th><th>PLO</th><th>Weight (%)</th></tr><tr><td>1</td><td>CLO-1</td><td>PLO-3</td><td>3</td></tr></table></td></tr>
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2	CLO-1	PLO-3	3
3	CLO-4	PLO-7	3
4	CLO-1	PLO-3	3
5	CLO-2	PLO-6	3
6	CLO-2	PLO-6	5
7	CLO-2	PLO-6	5
8	CLO-3	PLO-5	10
9	CLO-2	PLO-6	5
10	CLO-2	PLO-6	5
11	CLO-4	PLO-7	5
12	CLO-2	PLO-6	10
13	CLO-2	PLO-6	10
14	CLO-1	PLO-3	10
15	CLO-1	PLO-3	10
16	CLO-3	PLO-5	10

Study and examination requirements

Students are considered competent and pass if the final score is at least 55 or C.

Final index (grade conversion):

Index	Converted score	Score range (A = final score)
A	4.00	85 ≤ A ≤ 100
A-	3.75	80 ≤ A < 85
B+	3.50	75 ≤ A < 80
B	3.00	70 ≤ A < 75
B-	2.75	65 ≤ A < 70
C+	2.50	60 ≤ A < 65
C	2.00	55 ≤ A < 60
D	1.00	40 ≤ A < 55
E	0.00	0 ≤ A < 40

Reading list

1. Fardah, D. K., Khabibah, S., Manoy, J. T., Susanah., (2021). Media Pembelajaran Matematika. Surabaya: Unesa University Press
2. Smaldino, S.E., Deborah L.L., and James D.R., 2011. Instructional Technology and Media for Learning: Teknologi Pembelajaran dan Media untuk Belajar . Jakarta: Kencana
3. Buku Matematika SMP/SMA/SMK sesuai kurikulum yang berlaku.
4. Fikri H., & Madona, A. S., (2018). Pengembangan Media Pembelajaran Berbasis Multimedia Interaktif. Yogyakarta: Samudra Biru
5. Hilir, A., (2021). Pengembangan Teknologi Pendidikan. Peranan pendidik dalam menggunakan media pembelajaran. Klaten: Penerbit Lakeisha
6. Manoy, Janet Trineke. (2021). Flipbook Media Pembelajaran Matematika SMP Kelas VIII (Manual)