| | |
|---|---|
| Module designation | **Instructional Media**<br>**Course code:** 8420202121 |
| Semester(s) in which the module is taught | Semester 3 (Second year) |
| Person responsible for the module | **Coordinator:** Dr. Susanah, M.Pd.<br>**Teaching staff:** Dr. Susanah, M.Pd.; Dr. Siti Habibah, M.Pd; Dr. Janet Trineke Manoy, M.Pd; Dr. Sri Suryanti, M. Si.; Nurus Saadah, M.Pd. |
| Language | Indonesian |
| Relation to curriculum | Compulsory |
| Teaching methods | Lectures, tutorial assignments, and individual study<br>**Media and tools:** Slides and LCD projectors, whiteboard |
| Workload (incl. contact hours, self-study hours) | **(Estimated) total workload:** 3 CU × 170 minutes × 16 weeks = 8,160 minutes = 136.00 hours (≈ 4.77 ECTS)<br>**Contact hours:** lectures, 3 × 50 minutes per week × 16 weeks = 40.00 hours (class hours per week: 510 minutes = 8.50 hours, including structured activities)<br>**Private study including examination preparation:** structured assignments, 3 × 60 minutes per week × 16 weeks = 48.00 hours; independent study, 3 × 60 minutes per week × 16 weeks = 48.00 hours (total 96.00 hours) |
| Credit points | 3 CU (4.77 ECTS)<br>*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).* |
| Required and recommended prerequisites for joining the module | None |
| Module objectives/intended learning outcomes | **Programme learning outcomes (PLO) addressed:**<br>• 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.<br>• PLO-7: Demonstrate pedagogical knowledge in designing, implementing and evaluating mathematics learning.<br>• PLO-8: Design, implement and evaluate mathematics learning using IT.<br>• PLO-10: Make decisions based on data/information in completing tasks that are the student's responsibility and evaluating the work that has been done. |
| Content | Definition, types/classifications, and functions of learning media, basics of media development Selecting, designing, and producing learning media by utilizing the surrounding environment (contextual), and IT/digital/AR/VR |
| Examination forms | Final score is calculated from the weekly assessment scheme below (CLO/PLO addressed and weight of each assessment): |

| Week | CLO | PLO | Weight (%) |
|---|---|---|---|
| 1 | CLO-1 | PLO-3 | 2 |
| 2 | CLO-1 | PLO-3 | 0 |
| 3 | CLO-4 | PLO-10 | 10 |

| | | | | |
|---|---|---|---|---|
| | 4 | CLO-1 | PLO-3 | 2 |
| | 5 | CLO-2 | PLO-8 | 5 |
| | 6 | CLO-2 | PLO-8 | 2 |
| | 7 | CLO-2 | PLO-8 | 10 |
| | 8 | CLO-3 | PLO-7 | 23 |
| | 9 | CLO-2 | PLO-8 | 2 |
| | 10 | CLO-2 | PLO-8 | 5 |
| | 11 | CLO-4 | PLO-10 | 2 |
| | 12 | CLO-2 | PLO-8 | 5 |
| | 13 | CLO-2 | PLO-8 | 0 |
| | 14 | CLO-1 | PLO-3 | 5 |
| | 15 | CLO-1 | PLO-3 | 10 |
| | 16 | CLO-3 | PLO-7 | 20 |

**Study and examination requirements**

Students are considered competent and pass if the final score calculated from the score of portopolio, learning media product (traditional and digital), and student participation.

**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.,DeborahL.L.,andJamesD.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. FikriH.,&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) August, 25. 2025