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|  | **UNIVERSITAS NEGERI PADANG****FACULTY OF ENGINEERING****ELECTRONIC ENGINEERING DEPARTMENT** | **Document Code** |
| **SEMESTER LEARNING PLAN** |
| **COURSES** | **Code** | **Field Study** | **Credits** | **SEMESTER** | **Compilation Date** |
| **Learning Media** |  TIK193 | Study Program Compulsory Courses | 2 credits (theory) | 4 | July 2017 |
| **AUTHORIZATION** | **RPS Developer Lecturer** | **RMK Coordinator** | **Head of PRODI** |
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| **Learning Outcomes (CP)** | **CPL-PRODI**  |  |
| CP - S1 | Believe in God Almighty and be able to show a religious attitude |
| CP - S9  | Demonstrate an attitude of responsibility for work in their field of expertise independently |
| CP - PP6 | Understand the basic concepts of mathematics, electrical and electronic science in the field of computers |
| CP - KU5 | able to make decisions appropriately in the context of problem-solving in their area of expertise, based on the results of information and data analysis. |
| CP - KK10  | Ability to apply information technology, multimedia and networks as a means to develop pedagogical tools |
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| CPMK1 | Think critically and explain the basic concepts of instructional media |
| CPMK2 | Students can think critically and be able to carry out processes. Able to classify and identify learning media |
| CPMK3 | Students can think critically and can carry out the process of choosing the right learning media |
| CPMK4 | Students can think critically and can design, develop and evaluate learning media |
| CPMK5 | Students can think critically and can design, develop and evaluate learning media |
|  | CPMK6 | Students can think critically and be able to communicate the media in the teaching and learning process effectively and efficiently |
|  | CPMK7 | Students can think critically and be able to understand the development of learning media based on the information technology |
|  | CPMK8 | Think critically and be able to present their design media. (Graphics Media) |
|  | CPMK9 | Think critically and be able to present their design media. (Online and offline electronic media) |
| **Short Description MK** | In this educational media course, students will learn basic knowledge about learning media, the importance of learning media, and make a selection of the type of learning media that is by the material being taught. Students will also practice designing learning media, developing and evaluating graphic and electronic media. |
| **Study Materials (Learning materials)** | After the teaching and learning process, students can think critically and have the competence to:1. Understand the importance of educational media in the learning process
2. Understand the concepts, principles and classifications of instructional media
3. Design, use and develop educational media as needed
4. Evaluating educational media
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| **References** | **Main:** |  |
| 1. Abdulhak, Ishak, darmawan. 2013. Educational Technology, Bandung: Youth Rosdakarya
2. Arikunto, Suharsini. 2006. Sutu Research Procedure Practical Approach. Jakarta: Rineka Cipta
3. Arsyad Azhar. 2014. Learning Media, Jakarta: Raja Grafindo Persada
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| **Supporters:** |  |
| 1. Darmawan, Deni (2011). Learning technologies. Rosdakarya youth. Jakarta
2. Gerlach, ely. (1980). Teaching and Media a Systemic Approach. Hall. IncEnglewdood Clift News Jersey. USA
3. Hamalik, oemar. (1980). Educational Media. Alumni. Bandung
4. Heinich, R., Molenda, M., Russell, JD, & Smaldino, SE 2002. Instructional media and technology for learning, 7th edition. New Jersey: Prentice Hall, Inc.
5. Heinich, R., et. al. (1996) Instructional Media and Technologies for Learning. New Jersey: Prentice-Hall, Englewood Cliffs.
6. Keller. J. (2008). Motivational Design for Learning and Performance: The ARCS Model Approach. London: Springer.
7. Koumi, J (2008). Designing Video and Multimedia for Open and Flexible Learning. England: Open and Flexible Learning Series.
8. Miarso.Yusufhadi. (2001). Sowing the seeds of educational technology. Jakarta: Kencana Publisher.
9. Moore KD (2005). Effective Instructional Strategies: From Theory to Practice. London: Sage Publications.
10. Molenda. Michael. (2005). Technology, Hard & Soft for Access in Quality and Quantity in Education. A Paper presented in the International Seminar on Instructional Technology. Sebelas Maret State University. Surakarta.
11. Newby.TJ et al. (2000). Instructional Technology for Teaching and Learning: Designing Instruction, Integrating Computers and Using Media. New Jersey: Prentice Hall Inc.
12. Personal. BA (2009). Learning System Design Model. Jakarta: Dian Rakyat Publisher.
13. Personal. BA (2011). ASSURE Model for Designing Successful Learning. Jakarta: Dian Rakyat Publisher.
14. Robert, heinich. (1982). Instructional Media. USA
15. Rohani, Ahmad. (1997) Educational Instructional Media. Rineka Cipta. Jakarta
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| **Learning Media** | **Software:** | **Hardware :** |
| MS Office 2019, Adobe Flas  | LCD & Projector |
| **Supporting lecturer** |  |
| **Requirements course** | - |
| **Lectures to** |  **Sub-CPMK****(as the final expected ability)** | **Assessment Indicators** | **Criteria & Form of Assessment** | **Forms, Learning Methods & Assignments** **[ Estimated time]** | **Learning materials****[Library / Learning Resources]** | **Rating Weight (%)** |
| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** | **(7)** |
| 1 | Think critically and explain the basic concepts of instructional media | 1. The concept of learning media, learning resources and learning aids
2. Learning media as a component of the learning system
3. Functions / benefits / uses of learning media
4. Learning media and technology
 | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]**• **Independent**  **[BM: 1x (3x60 ”)]** **Task 1**: Make a summary of the basic concepts of educational media**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **15%** |
| 2 | Students can think critically and be able to carry out processes. Able to classify and identify learning media | 1. Classification of learning media according to experts, physical characteristics, main elements, learning experience and usage
2. Types of learning media
3. Characteristics of learning media
 | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-2:** Resume classify and identify learning media

**[[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **15%** |
| 3 | Students can think critically and can carry out the process of choosing the right learning media | 1. The importance of choosing learning media
2. Learning media selection criteria
3. Principles of media selection
4. Media selection procedure
 |  | * **Lectures:**

Presentation**[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-3:** Resume and download software classify and identify the appropriate learning media learning media

**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **5%** |
| 4 | Students can think critically and can design, develop and evaluate learning media | 1. Designing Media
2. Designing instructional media with the assure models approach
3. Designing learning media with the Anderson model
 | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-4:** Designing media with the assure models and Anderson model approach

 **[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **5%** |
| 5 | Students can think critically and can design, develop and evaluate learning media | 1. Developing Media
2. Developing audio learning media
3. Developing visual learning media
4. Developing graphic learning media
 | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-5:** designing, developing and evaluating instructional media

**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **10%** |
| 6 | Students can think critically and be able to communicate the media in the teaching and learning process effectively and efficiently | 1. Evaluating Media
2. The importance of media evaluation
3. Media evaluation components
 | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-6:** Mcommunicate the media in the teaching and learning process effectively and efficiently

**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **10%** |
| 7 | Students can think critically and be able to understand the development of learning media based on the information technology | Students can think critically and be able to understand the development of learning media based on the information technology | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-7:** ResumeUnderstand the development of information technology-based learning media

**[BT: (1) x (3x60 ")** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **10%** |
| **8** | **UTS / Mid Semester Examination** |  |
| 9-10 | Think critically and be able to present their design media. (Graphics Media) | Designing, Developing, Evaluating Graphic media | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-9-10:** Presenting and developing their design media. (Graphics Media)

**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **30%** |
| 11-15 | Think critically and be able to present their design media. (Online and offline electronic media) | Designing, Developing, Evaluating online and offline Electronic media | **Criteria:**1. Assessment quiz
2. Assessment assignments
 | * **Lectures:**

 Presentation **[TM: 1x (3x50 ”)]*** **Independent**

 **[BM: 1x (3x60 ”)]*** **Task-11-15:** Presenting and developing their design media. (Online and offline electronic media)

**[BT: (1) x (3x60 ”)]** | Asyhar, Rayandra (2012). Darmawan, Deni (2011). Rusman, Kurniawan, Riyana (2011). | **15%** |
| **16** | **UAS / Semester Final Examination: Evaluation which is intended to determine the final achievement of student learning outcomes** |  |

**Note**:

1. Learning Outcomes of Graduates of PRODI (CPL-PRODI) are abilities possessed by each PRODI graduate which is an internalization of attitudes, mastery of knowledge and skills by the level of the study program obtained through the learning process.
2. The CPL that is charged on the course is some of the learning outcomes of the study program graduates (CPL-PRODI) which are used for the formation/development of a course which consists of aspects of attitude, general skills, special skills and knowledge.
3. CP Course (CPMK) is an ability that is described specifically from the CPL that is charged to a course and is specific to the study material or learning material for the course.
4. Subject Sub-CP (Sub-CPMK) is an ability that is described specifically from the CPMK which can be measured or observed and is the final ability planned at each learning stage, and is specific to the subject matter learning material.
5. Assessment criteria are benchmarks that are used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that the assessment is consistent and unbiased. The criteria can be either quantitative or qualitative.
6. Indicators of ability assessment in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.