



## Module Description/Course Syllabi

Study Programme : Magister of Soil Science  
Faculty of Agriculture  
Universitas Andalas

### **1. Course number and name**

MIT 81209 Spatial Planning

### **2. Credits and contact hours/Number of ECTS credits allocated**

3 sks (2-1)

### **3. Instructors and course coordinator**

1. Prof. Dr. Ir. Azwar Rasyidin, M.Agr; 2. Prof. Dr. Ir. Aprisal, MP

### **4. Text book, title, outhor, and year**

1. Lutfi Muta'ali. 2011. Kapita Seleкта Pengembangan Wilayah. BPFQ-UGM.
2. Ali Kabul Mahi. 2016. Pengembangan Wilayah. Teori dan Aplikasi. Penerbit Kencana. Jakarta.
3. Sarwono Hardjowigeno, W. 2001. Kesesuaian Lahan dan Perencanaan Tataguna Lahan. IPB, Bogor.
4. Rustiadi .E, et al .2009. Perencanaan dan Pengembangan Wilayah. Yayasan Pustaka Obor. Jakarta.
5. Olson G. W. 1983. Soil and the Environment. Chapman and Hall. New York. London. 178 p.

### **5. Specific course information**

**A. Brief description of the content of the course (catalog description)**

This course includes understanding of regional planning and development by time. Regions, and spatial analysis, theories and concepts, spatial analysis. Regional development concepts and theories, including regional typology, development theory, productive areas, evaluation of land resources, regional development, spatial planning, rural and urban area development, development of coastal areas and small islands, feasibility of expansion of administrative regions.

**B. Course Content**

Week Course Content

1 The importance of spatial planning.

Meaning, objective, scope, and utilization of spatial planning, and the relation to other sciences.

2 Concept and theory of region development

3 Concept and planning of archipelago development

4 Theory of agropolitan

5 Theory of regional development

6 Role of natural resource in regional development

7 Evaluation of natural resources

8 Mid exam

9 Regional development

10 Regional development based on technology

11 Designing region

12 Rural development

13 Development and spatial planning policy

14 Sub urban development

15 Urban development

16 Final exam

**C. Semester when the course unit is delivered**

Even Semester
<b>D. Mode of delivery (face-to-face, distance learning)</b>
Face to face
<b>6. Intended Learning Outcomes (CPL)</b>
ILO 2: An ability to classify soil, to evaluate land capability and suitability, as well as to determine the alternative utilization for sustainable agriculture and environment PI 3 : An ability to determine suitable land use management
ILO 3: An ability to use technology in identifying and solving problems of soil, land resource, environment problems independently, eligibly, and accurately PI 3 : An ability to conserve soil for sustainable agriculture and environment
<b>7. Course Learning Outcomes (CPMK) ex. The student will be able to explain the</b>
significance of current research about a particular topic.
a. Students will be able to determine suitable land management to reach sustainable agriculture and environment
b. Students will be able to find out the best method to conserve soil problem for sustainable agriculture and environment
<b>8. Learning and teaching methods</b>
Cooperative Learning, Problem Base Method
<b>9. Language of instruction</b>

**10. Assessment methods and criteria**

**Summative Assessment :**

1. Tasks : 5%
2. Quiz : 5 %
3. Mid Semester : 25%
4. Final Semester : 25%
5. Praktikum :30%
6. Attendance : 5%

**Formative Assessment:**

2. Thumb up and thumb down
3. Minutes paper