



## Module Description/Course Syllabi

Study Program : S1 Undergraduate Program  
 Faculty of Agriculture  
 University of Andalas

**1. Course number and name**

PTN611 06 Research Methodology

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

3 credits (2 classes, 1 practicum)

**3. Instructors and course coordinator**

Dr. Agustian

Dr. Ir. Teguh Budi Prasetyo, MS

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

1. Sangadji, E. M. and Sopiah. 2010. Research Methodology. CV. Andi. Yogyakarta.
2. Wibowo, W. 2010. Grammar Language Scientific Writing. Earth Literacy. Jakarta.
3. Creswell, J.W. 2012. Educational Research; Planning, conducting, and Evaluating Quantitative and Qualitative Research (4 ed.) Boston; PEARSON
4. Muhadjir, N. 1998. Philosophy of Science. Rake Sarasin. Yogyakarta.
5. Sutoyo. A. 2020. Quranic Perspectives on Man and Religion. Mizan. Bandung

**5. Specific course information**

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

This course discusses the basics of scientific research, how to find and formulate problems to develop a plan. Various types of scientific research (historical, descriptive, and experimental) and writing reports on research results. Thesis writing format; special linguistic and scientific terms; scientific method; library search and writing bibliography; Preparation of tables and figures supporting scientific work; techniques for conducting seminars; At the end of the lecture, students are able to prepare writing research proposals and research reports (thesis and other research including the Student Creativity Program), as well as seminar papers; presentation of scientific posters; Oral presentation of scientific work.

**B. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)**

First Cycle Bachelor

**C. Year of study when the course unit is delivered (if applicable)**

2nd Year

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

Even Semester

**E. Mode of delivery (face-to-face, distance learning)**

Face to face

**6. Intended Learning Outcomes (CPL)**

ILO-5: Able to keep up with the latest knowledge developments and apply them to support appropriate learning strategies

PI 1 : Review the literature and new technological knowledge about soil and environmental science

**7. Course Learning Outcomes (CPMK) ex. The student will be able to explain the significance of current research about a particular topic.**

5.1 Review the literature and new technological knowledge about soil and environmental science

7.1 Presenting assignments in groups in front of lecturers and students

**8. Learning and teaching methods**

Cooperative Learning and Project Based Learning

**9. Language of instruction**

Indonesian

**10. Assessment methods and criteria****Summative Assessment :**

1. Assignment
2. UTS
3. UAS
4. Internship

**Formative Assessment:**

1. Minutes paper