



# MASTER PROGRAM OF PETROLEUM ENGINEERING

## Vision

To become a Petroleum Engineering Master's Study Program that is able to develop science and technology in revitalizing and increasing oil and gas and geothermal production based on the spirit of national defense and international quality in 2028

## Short Description

Master of Petroleum Engineering is a leading department of Faculty of Mineral Technology, UPN "Veteran" Yogyakarta. With more than 8 years of experience in conducting education, research and community service in the Petroleum and Geothermal scientific field.

## Lecturer

1. Prof. Dr. Ir. Sari Bahagiarti, M.Sc.
2. Prof. Dr. Ir. Drs. Herianto, M.T.
3. Prof. Dr. Ir. Aris Buntoro, M.T.
4. Prof. Dr. M Irhas Effendi, M.Sc.
5. Dr. Suranto, S.T., M.T.
6. Dr. Ir. Boni Swadesi, S.T., M.T.
7. Dr. Ir. C. Prasetyadi, M.Sc.
8. Dr. Ir. Dedi Kristanto, M.T., IPU., ASEAN Eng., APEC Eng
9. Dr. Ir. Dyah Rini Ratnaningsih, M.T.
10. Dr. Ir. Dwi Fitri Yudiantoro, M.T.
11. Dr. Ir. Harry Budiharjo S, M.T.
12. Dr. Ir. Jatmika Setiawan, M.Sc.
13. Dr. Ir. KRT Nur Suhascaryo, M.T., IPM

## Study Program

Level Master of Engineering  
 Study duration 4 semester /2 years  
 Teaching mode Fulltime  
 Active student

60

per June 2024

GOOD

Institution of National Accreditation – BAN PT

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## Laboratories

Core Analysis  
 Fluid Reservoir Analysis Well  
 Cementing Analysis Pressure/  
 Well Test Analysis Formation  
 Evaluation Analysis  
 PG Reservoir and Production Simulation Lab  
 Drilling Instrumentation  
 Production Instrumentation  
 Plan of Development (POD)  
 Enhance Oil Recovery (EOR)  
 Mineral, Material and Hydrocarbon

## OFFERED MODULES

### Oil and Gas Concentrations

Semester	Code	Course
Semester 1	2130013	Concept and Model of Oil Field Geology
Semester 1	2130032	Research Methods and Pre-Proposal
Semester 1	2130043	Oil Reservoir Management
Semester 1	2130053	Oil Production Management
Semester 1	2130063	Oil Drilling Management
Semester 2	2130093	Enhanced Oil Recovery
Semester 2		Elective 1
Semester 2		Elective 2
Semester 2		Elective 3
Semester 3	2130102	Energy Security - National Defense
Semester 3	2130113	Thesis 1 and Seminar
Semester 4	2130124	Thesis 2

### Geothermal Concentrations

Semester	Code	Course
Semester 1	2130023	Concept and Model of Geothermal Field Geology
Semester 1	2130032	Research Methods and Pre-Proposal
Semester 1	2130073	Geothermal Reservoir Management
Semester 1	2130083	Geothermal Production Management
Semester 1	2130143	Geothermal Drilling Management
Semester 2	2130173	Geothermal Reservoir Simulation
Semester 2		Elective 1
Semester 2		Elective 2
Semester 2		Elective 3
Semester 3	2130102	Energy Security - National Defense
Semester 3	2130113	Thesis 1 and Seminar
Semester 4	2130124	Thesis 2

