Ph.D. (Third Cycle) Programme in Mining Engineering

General Information

The Mining Engineering Department of the Niğde Omer Halisdemir University launched its education activities in 2005, by recruiting its first graduate students, and then undergraduate students were recruited in the 2008-2009 educational term. The department has a dynamic and competent academic staff consisting of lecturers consisting of 2 Professors, 4 Associate Professors, and 2 Assistant Professors.

The department carries out prestigious academic and scientific studies in the field and offers a competent education with its dynamic and young academic staff conducting various scientific projects supported by The Scientific and Technological Research Council of Türkiye (TUBITAK), Ministry of Industry and Technology (KOSGEB, Development Agencies, KOP, etc.).

Thanks to the bilateral agreements with EU countries and other countries, some of our graduate students continue their education abroad within the framework of the Erasmus Program.

The department consists of 3 Divisions: Mine management, Ore dressing, and Mine Mechanization and Technology. Some undergraduate students are welcome to participate and some graduate students can work as scholarship students in the projects conducted by our faculty members.

With its classrooms equipped with computers and new laboratory equipment, and project-supported, private-purpose research and development laboratories, the Mining Engineering Department raises competent Mining engineers who contribute to today's technology.

Through the Ph.D. (Third Cycle) program, students develop skills to participate in scientific activities and share the results with the scientific community and they may continue their academic career in the universities in Turkey or abroad.

Aims and Objectives

Aims:

- To coach students through the instruction of fundamental engineering information and contemporary educational methods in becoming Mining Engineers who can fulfill the occupational requirements of the worldwide industry. Equipped with advanced technology, our laboratories serve our students by contributing their applied knowledge to Mining Engineering. In addition, it is to train scientists who have a vision, analytical thinking, and ethical values at the doctoral level.

Objectives:

- To become one of the best departments of Mining Engineering that follows technological developments and pursues advanced level scientific research, to train Mining Engineers who are critical thinkers possessing leadership skills capable of interdisciplinary collaboration and who are innovative and can produce original solutions.

Qualification Awarded

Upon successful completion of this program, students are awarded the qualification of DOCTORATE DEGREE in MINING ENGINEERING.

Level of Qualification

Ph.D. Degree with thesis in MINING ENGINEERING is a four-year (8 semesters) program with 240 ECTS credits. The program meets the requirements both for ECTS credits and level descriptors of the "Third Cycle" degree qualifications of the Overarching Framework of European Qualifications Framework HE (QF-EHEA) and the "8th Level" qualifications of the Turkish Qualifications Framework for HE (TYYÇ, NQF-HETR), as well as the "8th Level" requirements of the qualifications of the European Qualifications Framework for Lifelong Learning (EQF-LLL) in terms of the level descriptors.

Specific Admission Requirements

Admission requirements are determined in line with the regulations set by the Higher Education Council of Turkey (YÖK). Information on applications for Ph.D. programs and access requirements are announced on the web page of the university at the beginning of each academic year. The following requirements are applied for national students:

- To have a BSc or MSc degree in Mining Engineering Department.
- To have at least 55 scores for foreign language proficiency taken from national exams or equivalent scores taken from international exams accepted by the Interuniversity Board (OSYM).
- Candidates who have a master's degree with a thesis and who have received at least 55 points from ALES in the declared score type of the program they are applying for or who have equivalent points from the exams determined by the Council of Higher Education in these score types to the ALES base score can apply.
- Applicants who apply with a bachelor's degree must have at least 80 points from ALES in the declared score type of the program they are applying for, or those who have received equivalent points from the exams determined by the Council of Higher Education corresponding to the ALES base score in these score types, and whose undergraduate graduation grade point average is at least 3 out of 4 or an equivalent score. (In converting graduation grade point averages in the 100-point system, the Higher Education Council's Table of Equivalences of Grades in the 4-point System in the 100-point System is used).
- In determining the validity period of the ALES score, the period determined by YÖK is taken as a basis.

The requirement for the admission of international students for postgraduate studies is carried out according to the body of the current law and the regulations of the Senate. For further and detailed information please visit General Admission Requirements and Registration Procedures in the menu items of the Information on the Institution (https://ohu.edu.tr/naturalappliedsciencesinstitute/page/rules-and-regulations).

For further information on the admission requirement for foreign students, please contact Niğde Ömer Halisdemir University International Office.

Contact:

International Office
Niğde Ömer Halisdemir University, Central Campus, 51240, Niğde/TURKEY
Phone: 0 388 225 21 48
Fax: 0 388 225 23 85
E-mail: erasmus@ohu.edu.tr
Web: www.ohu.edu.tr/uluslararasi/index.php?ln=en

Specific Arrangements for Recognition of Prior Learning

With an understanding of lifelong learning, Niğde Ömer Halisdemir recognizes the previously taken courses in another institution and exempts them from graduation credit, as long as the courses match the learning outcomes of the registered Ph.D. Degree (Third Cycle) programme in Mining Engineering at Niğde Ömer Halisdemir University.

Profile of the Programme

Ph.D. program in Mining Engineering has been established with a vision that introducing innovative products can only be achieved by specialization and by combining creativity and engineering experience. The students also develop skills to participate in scientific activities and share the results with the scientific community and they may continue their academic career by enrolling in related universities in Turkey or abroad.
The Ph.D. program in Mining Engineering ("Third Cycle" in QF-EHEA and "8th Level" in TYYÇ) is an academically oriented program giving access to research programs and professional practice demanding advanced levels of knowledge, skills, and competencies. The program can be classified in regards to ISCED (The International Standard Classification of Education) 2011 and NQF-HETR (The Turkish Qualifications Framework for HE) profiles and fields of education as follows:

- ISCED Field of Education: 52 - Engineering and Engineering Trades
- ISCED 2011 Level: 8, Orientation (Profile): 74, Subcategory: 747, Academically-oriented "Third Cycle" degree
- NQF-HETR Field of Education: 52 - Engineering and Engineering Trades
- NQF-HETR Profile of Education: Academically-oriented "Third Cycle" degree

Learning and Teaching Methods

The most frequently used instructional methods of the educational programs of Niğde Ömer Halisdemir University are given below.

Programs commonly apply these methods as appropriate instructional approaches in accordance with their aims and objectives. The instructional methods applied for achieving the goal of meeting the expected learning outcomes of the Ph.D. program in Mining Engineering program at large are indicated in the section of ‘program learning outcomes’, and those methods utilized for individual course units are indicated in the relevant section of “description of individual course unit’.

- Lecture & In-Class Activities,
- Land Surveying,
- Group Work,
- Laboratory,
- Reading,
- Assignment (Homework),
- Project Work,
- Seminar,
- Web Based Learning,
- Implementation/Application/Practice,
- Thesis Work,
- Field Study,
- Report Writing

Occupational profiles of graduates with examples

The global nature of the Mining industries ensures many career opportunities in Turkey as well as in Europe and beyond. Our graduates can be engaged in many fields such as research and development, design, production, marketing, after-sale services, and project development, according to their individual interests and preferences. The employment opportunities for our graduates may be in Small and Medium Enterprises (SMEs), large-scale companies, and multinational companies. They can also Turkey or academic careers in universities abroad.

Qualification Requirements and Regulations

Ph.D. program (third cycle) in Mining Engineering is awarded to students who have scored a Cumulative Grade Point Average (CGPA) of not less than 3.00 /4.00, defended his/her thesis successfully, and have completed all the courses (240 ECTS) with at least a letter grade of CB or S in the program.
For detailed information: Please see "Niğde Ömer Halisdemir University's Rules & Regulations for Graduate Education"

Access to Further Studies

Upon successful completion of a Ph.D. degree programme, students can pursue an academic career in related fields.

Examination Regulations, Assessment and Grading

The methods applied for assessment of the achievement of the expected program learning outcomes for the entire Second Cycle program of MINING ENGINEERING are shown below and those for the individual course units are given in the relevant section of the course description with their contribution to the final grades.

- Mid-Term Exam,
- Final Exam,
- Make-up Exam,

- Homework Assessment,
- Presentation of Report,
- Computer Based Presentation,
- Presentation of Thesis,
- Presentation of Document

Mid-term and final examinations are conducted in dates, places, and times determined and announced by the University. The students' final semester grade is given by their instructors based on mid-term examination, homework evaluation, and final examination results taking into account the students' compliance with attendance to the course activities.

The contribution of assessment grades of the in-term activities to the final grade is 40% and that of the final exam is 60% for all the course units.

Grading:

The success of a student for each assessment (in-term and final) defined for each course unit is evaluated by the instructor. Evaluations are made over a scale of 100 points and converted to the letter grades at the end of the semester.

A student is considered to be successful in a course if he/she gets one of the following grades: AA, BA, BB, CB, or S (Successful). The student's academic standing is calculated in the form of a Grade Point Average (GPA) on a scale of 4.00 and announced at the end of each semester. The total grade point of a course is obtained by multiplying the grade point by the course ECTS credit. The semester GPA is calculated by dividing the total amount of grade points of courses gained in that semester by the total amount of ECTS credits of courses taken in the semester. The yearlong courses are included in the spring semester GPA. Cumulative Grade Point Average (CGPA) is calculated by dividing the total amount of grade points of all the courses in the curriculum to be taken by the total amount of 240 ECTS credits. For each course taken, the student is given one of the following letter grades and grade points:

Course Score	Course Grade	Grade Points
90-100	AA	4.00
85-89	BA	3.50
80-84	BB	3.00
75-79	CB	2.50
70-74	CC	2.00
65-69	DC	1.50
60-64	DD	1.00
50-59	FD	0.50
0-49	FF	0.00

Classification of the qualification

A student who obtains a CGPA of 2.00-2.99 is considered a Satisfactory Student, one who obtains a CGPA of 3.00-3.49 is considered an Honors Student, and one who obtains a CGPA of 3.50-4.00 is considered a High Honors Student.

Graduation Requirements

In order for a student to graduate from a Doctorate Degree (Third Cycle) Programme in MINING ENGINEERING, he/she has

- Completed 240 ECTS credits with passing grades for the candidates who have master's degrees (with the condition of taking at least 21 credits and 7 courses including seminar course, qualification exam, thesis proposal, and thesis studies for 4 semesters). On the other hand, completed 300 ECTS credits with passing grades for the candidates who have a bachelor's science degree (with the condition of taking at least 42 credits and 14 courses including seminar course, qualification exam, thesis proposal, and thesis studies for 4 semesters).
- Prepared and defended a thesis successfully.
- As of the 2015-2016 education term, in order to enter the thesis defending exam for the registered Ph.D. students in our institute, at least 1 journal paper related to the thesis must be published or accepted given as DOI number in SCI, SCI-Expanded or AHCI journal.

Mode of Study:

Ph.D. Programme in Mining Engineering at Niğde Ömer Halisdemir University is a full-time/face-to-face programme.

Contact (Programme Director or Equivalent):

Position	**Name - Surname**	**Phone**	**E-Mail**
Head of Department	Assoc. Prof. Dr. Serkan ÇAYIRLI	0 388 225 40 00	scayirli@ohu.edu.tr
Deputy Head of Department	Assoc. Prof. Dr. Ahmet TEYMEN	0 388 225 22 97	ateymen@ohu.edu.tr
ERASMUS and ECTS Coordinator	Assist. Prof. Emine YOĞURTCUOĞLU	0 388 225 40 02	eyogurtcuoglu@ohu.edu.tr