General Information

With the establishment of Niğde Ömer Halisdemir University in 1992, the Department of Mathematics Education, which is a branch of Mathematics and Science Department within the Faculty of Education of our University, took master's students in 2019-2020 academic year and started graduate education. The staff at the department consists of 4 associate professors, 2 assistant professors and 1 lecturer.

Through the Master's Program, students develop skills in participating in scientific activities and share their results with the scientific community. The graduates having satisfactorily completed the programme are awarded Master's Degree in the field of Mathematics Education.

Aims and Objectives

Aims

The program aims to train students who has the ability to solve problems and critical thinking, who can do research on universal scale and produce projects related to mathematics education, who can follow the developments in the field of mathematics education closely, who knows how to be a mathematics educator and how to solve problems, who can conduct interdisciplinary studies with other sciences raising the postgraduate students and scientific productivity.

Objectives

The main objectives of the program are to make academic researches and publications, in order to develop theories and practices by becoming a leader in national and international academic grading in the field of Mathematics Education. To train experts who are equipped with the necessary scientific and social skills, who can follow the higher level education, have critical thinking and leadership skills in their working environments, who can provide interdisciplinary cooperation, who have executive characteristics, who can produce innovative and original solutions.

Level of Qualification and Qualification Awarded

Upon successful completion of this program, students are awarded with the qualification of **MASTER DEGREE IN MATHEMATICS EDUCATION.**

Master's Degree with thesis in MATHEMATICS EDUCATION is a two-year (4 semesters) program with 120 ECTS credits. The program meets the requirements both for ECTS credits and level descriptors of the "Second Cycle" degree qualifications of the Overarching Framework of European Qualifications Framework HE (QF-EHEA) and the "7th Level" qualifications of the Turkish Qualifications Framework for HE (TYYÇ, NQF-HETR), as well as the "7th Level" requirements of the qualifications of the European Qualifications Framework for Lifelong Learning (EQF-LLL) in terms of the level descriptors

Admission Requirements

Admission requirements are determined in line with the regulations set by Higher Education Council of Turkey. Information on application for graduate programs and access requirements are announced on the web page of the university at the beginning of

each academic year. In the admission to the Master's Program with Thesis, the provisions of the Regulation on Graduate Education of the Council of Higher Education and the Regulation on Graduate Education and Examination of Niğde Ömer Halisdemir University has applied. The following requirements are applied for both national and foreign students:

To be graduated from an university from elementary school mathematıcs teachıng programme of the Faculty of Education or a Bachelor of Science (Faculty of Science and Letters) with a degree in mathematics (having pedagogical formation certificate) or to be appointed as a mathematics teacher to one of the state schools affiliated to the Ministry of Education.

To have ALES (Entrance Exam for Academic Personnel and Postgraduate Education) with minimum score of 60 (or equivalent) in Numeric Score type.

To have a foreign language proficiency from national exams such as UDS (The Interuniversity Foreign Language Examination) or KPDS (The Foreign Language Examination for Civil Servants) or from international exams such as IELTS (International English Language Testing System) or TOEFL (Test of English as a Foreign Language) accepted by Interuniversity Board. Students who do not have a foreign language proficiency might apply yet their foreign language score is evaluated as 0.

The candidates with a Bachelor's Degree from abroad must have the certificate of equivalence from the Council of Higher Education (YOK).

ALES score is valid for 3 years.

The candidates must apply in person. The applications with incomplete documents will not be evaluated.

For further and detailed information please visit General Admission Requirements and Registration Procedures in the menu items of the Information on the Institution.

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

Contact

International Office

Niğde Ömer Halisdemir University, Campus, 51240 Niğde, TÜRKİYE

Phone: 0 388 225 21 48

Fax: 0 388 225 23 85

E-mail: erasmus@ohu.edu.tr

Web: http://ohu.edu.tr/internationalrelationsoffice

Specific Arrangements for Recognition of Prior Learning

With an understanding of lifelong learning, Niğde Ömer Halisdemir University recognizes the previously taken courses in another institution and exempt them from graduation credit, as long as the courses match with the learning outcomes of the registered programme at Niğde

University. The learning outcome match and the exemption are decided by the Faculty Board in line with the related laws and regulations.

Profile of the Programme

Master's Degree program in Mathematics Education has been established with a mission to provide the students a high quality program to follow and learn cutting edge theories and techniques and at the same time to participate actively in applied and theoretical research. The undergraduate program is designed in accordance with a cooperative education strategy and an understanding of hands-on experience, so that the new trends in education can be adapted easily.

Graduate (Master's Degree) program in Mathematics Education ("Second Cycle" in QF-EHEA and "7th Level" in TYYÇ) is an academically-oriented program giving access to degree and non-degree research program and professional practice demanding high levels of knowledge and skills. The classification of the program with respect to "ISCED (The International Standard Classification of Education) 2011" and "NQF-HETR (The Turkish Qualifications Framework for HE)" and the codes of the fields of education can be listed as follows:

- **ISCED Field of Education:** 14 – Teacher Training and Education Science

- **ISCED 2011 Level: 7, Orientation (Profile): 74, Subcategory: 747 - Academically-oriented "Second Cycle" degree**

- **NQF-HETR Field of Education:** 14 – Teacher Training and Education Science

- **NQF-HETR Profile of Education: Academically-oriented "Second 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 at Mathematics Education 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 indivusal course unit'.

Examples of Learning and Teaching Methods

- Lecture & In-Class Activities
- Group Work
- Reading
- Assignment (Homework)
- Project Work
- Seminar
- Implementation/Application/Practice

- Report Writing

Occupational Profiles Of Graduates With Examples

Graduates of Master of Science program in Mathematics Education can take part in national and international projects, research and development activities. They can work as academic staff in higher education institutions. They can also apply to PhD programs in Niğde Ömer Halisdemir University and other institutions in Turkey or abroad.

Qualification Requirements and Regulations

In order to gain proficiency in this field by graduating from Master of Mathematics Education Program;

- Completion of all the courses designated within the curriculum of the programme, having a total of 240 ECTS Credits, with passing grades.
- Achievement of a a Cumulative Grade Point Average (CGPA) of at least 2.50 out of 4.00.
- Defended his/her thesis successfully.

For detailed information: Please see "**Niğde University's Rules & Regulations for Graduate Education"**

Access to Further Studies

Upon successful completion of this programme, students may apply to master's (second cycle) and in some cases, to doctorate (third cycle) degree programs in or related fields of **MATHEMATICS EDUCATION**.

Examination Regulations, Assessment and Grading

The methods applied for assessment of the achievement of the expected program learning outcomes for the entire program of **MATHEMATICS EDUCATION** are shown below and those 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
- Short Exam
- Homework Assessment
- Presentation of Report
- Presentation of Thesis
- Presentation of Document

Examinations

The success of students in achieving the expected leaning outcomes of the each course unit within the curriculum of **Master of Science in Mathematics Education** programme is evaluated via assessments of in-term activities and final examination which takes place at the end of each semester.

Assessment of in-term activities includes a minimum number of a mid-term examination, a homework and a short-exam (quiz) as compulsory assessment methods for all the course units within all degree programmes defined by the Regulations. The programmes are encouraged to define more assessment methods for the in-term activities depending on their needs for measuring the achievements of the outcomes at the programme and course unit levels in order to ensure the educational aims and objectives. The nature and number of the assessment methods used for each course unit together with their contribution the final grades are given under the title of "Assessment and Grading" in the sections of course descriptions. These arrangements are announced in advance, at the beginning of each semester and published in the sections of the course descriptions on this web site.

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, shortexaminations, final examination and, if there is any, other assessment 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 could be at most 40% and that of the final exam cannot be less than 40 % and higher than 60% for all for all the course units within all degree programmes defined by the Regulations.

Course units, which do not require a mid-term, homework, short-exam and/or a final exam, such as work placement, are determined by the administration of the related departments and specific assessment and grading methods for these courses are also announced through the same channels described above. Evaluation of such activities is made through the procedures defined by the Senate and assessed by Pass (P) or Fail (F) grades.

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 taking into account the standard deviation of grades and grade point average of the class and using the relative evaluation method, principles of which have been set by the Senate.

A student is considered to be successful in a course if he/she gets one of the following grades: AA, BA, BB, CB, S, or EX. The student's academic standing is calculated in the form of a Grade Point Average (GPA) out of 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 120 ECTS credits. For each course taken, the student is given one of the following letter grades and grade points:

Course Grade	Grade Points
AA	4,00
BA	3,50
BB	3,00
CB	2,50
CC	2,00
DC	1,50
DD	1,00
FD	0,50
FF	0,00

S (Satisfactory): Satisfactory in non-credit courses,

U (Unsatisfactory): Unsatisfactory non-credit courses,

P (In Progress): Successful at the end of the first semester for a yearlongcourse,

EX (Exempt): Successful in an exemption exam held by the university,

NI (Not Included): Assigned for course not included in CGPA

NA (No Attendance): Unsuccessful because of not fulfilled the attendance and/or laboratory requirements,

T (Transfer): Standing for the received course grade of the transferred students from other departments or universities. It is not included in CPA calculations. Transfer course grade.

For more information please visit the **"Evaluation"** section.

Classification of the Qualification

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

Graduation Requirements

In order for a student to graduate from graduate from Master's Degree Programme in MATHEMATICS EDUCATION program the following conditions must to be met:

- Completion of all the courses designated within the curriculum of the programme, having a total of 120 ECTS Credits, with passing grades.
- Achievement of a cumulative grade point average (CGPA) of at least 2.50 out of 4.00.
- Prepared and defended a thesis successfully.

For detailed information: Please see **"Nidge University's Rules & Regulations for Graduate Education"**

Mode of Study

Master of Science Programme in Mathematics Education at Nig de Ömer Halisdemir University is a full time / face to face programme.