



TRƯỜNG ĐẠI HỌC MỎ - ĐỊA CHẤT
Hanoi University of Mining and Geology

University of Mining and Geology



University of Mining and Geology

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2. The study at UMG
3. The research at UMG
4. International Cooperation



University of Mining and Geology

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KỶ NIỆM
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THÀNH LẬP TRƯỜNG
VÀ ĐÓN NHẬN
HUÂN CHƯƠNG
HỒ CHÍ MINH
HÀ NỘI 15-11-2006

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1. Introduction

Establishment

- University of Mining and Geology (UMG) is under the Ministry of Education and Training (MOET)
- UMG was established on November 15th 1966 as an independent higher educational institution on the background of Mining and Geology Faculty of Hanoi University of Technology (HUT)
- Main campus is in Dong ngac - Tu liem - Hanoi
- Tel/Fax : 84-4-7520834
- E-mail: ichumg@hn.vnn.vn / ichumg@gmail.com
- Website: www.humg.edu.vn



1. Introduction

Functions of UMG

- UMG is a center for training technical personals with Bachelor's, Master's and Doctor's Degrees in the fields of Mining, Geology, Petroleum, Surveying, Information Technology and Business Management.
- UMG is also a research center that carries out the scientific researches and experiments in Mining, Geology, Petroleum, Surveying, Information Technology ...

The teaching staff of UMG

- Total: 527
- 16 Professors
- 55 Associate Professors
- 177 Senior Lecturers
- 13 Dr.Sc
- 138 Ph.D
- 196 M.Sc



1. Introduction

Organization network

UMG has **11 faculties**, 13 departments for management and 8 research centers

1. Faculty of Mining
2. Faculty of Geology
3. Faculty of Petroleum
4. Faculty of Surveying
5. Faculty of Electro-Mechanics
6. Faculty of Economics and Business Management
7. Faculty of Information Technology
8. Faculty of General Education
9. Faculty of Marxism-Leninism & Ho Chi Minh's ideology
10. Faculty of In-Services Training
11. Faculty of National Defend Education



1. Introduction

Organization network

UMG has 11 faculties, **13 departments for management** and 8 research centers

1. Department of Administration
2. Department of Personnel Management
3. Department of Finance
4. Department of Science and Technology
5. Department of Undergraduate and Postgraduate Training
6. Department of International Cooperation
7. Department of Political and Student Affairs
8. Department of Project Management
9. Department of Equipment Management
10. Health Care Department
11. Security Department
12. Library
13. Student's Committee



1. Introduction

Organization network

UMG has 11 faculties, 13 departments for management and
8 research centers

1. Mining Electro-Mechanical Research Center
2. Environmental Geology Research Center
3. Geotechnical Research Center
4. Technological Development of Mineral Technology Research Center
5. Experimental Mining Research Center
6. Applied New Geodesy Mapping Technology Research Center
7. Support and Development of Mining-Geological Sciences and Technology Research Center
8. Engineering Geodesy Research Center



2. The study at UMG

The Undergraduate courses

- Duration of study: 5 years
- Total number : about **20,000** students at the moment



Academic Programs (B.Sc degree)

Faculty of Mining (5 years)

1. Open-cast Mining
2. Underground Mining
3. Underground and Mining Construction
4. Mining Production
5. Mineral Processing
6. Mechanics and Mineral Processing



Academic Programs (B.Sc degree)

Faculty of Electro-Mechanics (5 years)

1. Mining Electric-Mechanization
2. Mining Electrification
3. Mining Machine and Equipment
4. Electrical Engineering and Electronics
5. Automation in Mining and Petroleum Enterprises



Academic Programs (B.Sc degree)

Faculty of Geology (5 years)

1. **Prospecting Geology**
2. **Engineering Geology and Geotechnics**
3. **Hydrogeology and Engineering Geology**
4. **GeoEcology and Environment**
5. **Mineral Resources**



Academic Programs (B.Sc degree)

Faculty of Petroleum (5 years)

1. Geophysics
2. Petroleum Geology
3. Drilling and Production
4. Oil Refining and Petrochemistry
5. Petroleum Equipment
6. Prospecting and Exploration Drilling



Academic Programs (B.Sc degree)

Faculty of Surveying (5 years)

1. Mining Surveying
2. Cadastral Surveying
3. Cartography and Mapping
4. Geodesy



Academic Programs (B.Sc degree)

Faculty of Economics and Business Management (5 years)

- 1. Business Management in Mining**
- 2. Business Management in Geology**
- 3. Business Management in Petroleum**
- 4. Business Management in Mineral Resources and Environment**
- 5. Enterprise Accountancy**
- 6. Economics and Administration Management**



Academic Programs (B.Sc degree)

Faculty of Information Technology (5 years)

1. Geological Informatics
2. Surveying Informatics
3. Mining Informatics
4. Economic Informatics
5. Software Technology



Academic Programs (Postgraduate degree)

The postgraduate courses

Master's degree:

- full time course: 2 years
- in-service course: 3 years

Doctor's degree:

- full time course: 2 years (for M.Sc graduate) or 4 years (for B.Sc graduate)
- in service course: 4 - 5 years



Academic Programs (M.Sc degree)

- Mining Production Technology
- Mining Construction
- Mineral Processing
- Mining Machinery and Equipment
- Circuitry and Electrical System, Electricity Supply
- Exploration Engineering of Mineral Resources
- Prospecting and Exploration Geology
- Engineering Geology
- Hydrogeology
- Geophysics
- Drilling and Production
- Cartography and Remote Sensing and GIS
- Geodesy
- Industrial Economics
- Automation
- Exploration Drilling
- Petrology, Mineralogy and Geochemistry



Academic Programs (Ph.D degree)

- **Engineering Geology**
- **Exploration and Prospecting Geology**
- **Exploration Drilling**
- **Petroleum Drilling and Completion**
- **Petroleum Production Technology**
- **Petrology**
- **Geophysics**
- **Mining Machines and Equipments**
- **Petroleum Production Machines and Equipments**
- **Mining Automation**
- **Mining Geodesy**
- **Underground Mining and Production**
- **Open-cast Mining Production**
- **Mineral Processing**
- **Hydrogeology**
- **Quaternary Geology**



Academic Programs (Ph.D degree)

- **Tectonics**
- **Paleontology and Stratigraphy**
- **Mineralogy**
- **Geochemistry**
- **Mineral Resources**
- **Petroleum Geology**
- **Mining Automation**
- **Applied Geodesy**
- **Advance Geodesy**
- **GIS & Remote Sensing**
- **Cartography and Mapping**
- **Underground Mining Construction**
- **Industrial Economics**



3. The research at UMG

UMG is also a well known research center that carries out research projects and contracts in the fields of Mining, Geology, Petroleum, Surveying, Information Technology, Basic Sciences,... including 149 projects at State level (funded by the Government), 379 projects at Ministry level (funded by Ministry of Education and Training) and 761 projects at University level (funded by the University).

Many research projects and contracts with industrial organizations have been carried out in the serve for socio-economic sustainable development



3. The research at UMG

Research projects in the form of the Protocol (between countries) have been also carried out: 3 projects with Poland, 3 projects with China, 1 with UK ...

Projects supported from Foreign Agency: VietAs (DANIDA) ...

International and National conferences, seminars and workshops have been organized by UMG



4. International Cooperation

UMG has close links with many other training and research institutions and companies throughout the country and also all over the world

Universities and Institutes

- Oklahoma University (USA),
- Curtin University (Australia),
- University of Leoben (Austria),
- University of Montpellier , L'ecole de mine... (France),
- Osaka City University (Japan)
- **University of Technology Warsaw, AGH University of Science and Technology... (Poland),**
- University of Freiberg, Dresden, Clausthal, Friedrich-Alexander Universities Erlangen-Nurnberg... (Germany),
- Robert Gordon University, University of Aberdeen.. (UK),



4. International Cooperation

- **University of Ostrava (Czech Republic),**
- **China University of Petroleum in Beijing, University of Surveying and Mapping in Wuhan, University of Geosciences in Beijing, China University of Mining and Technology in Xuzhou, Tongji University in Shanghai, NorthWest University in Xian... (China),**
- **Moscow State University of Geodesy and Cartography, Moscow State University of Geological Prospecting, Moscow State University of Mining... (Russia),**
- **University Technology Malaysia (Malaysia)**
- **University Brunei Darussalam (Brunei)**
- **Chulalongkorn University, Khon Kaen University (Thailand)**



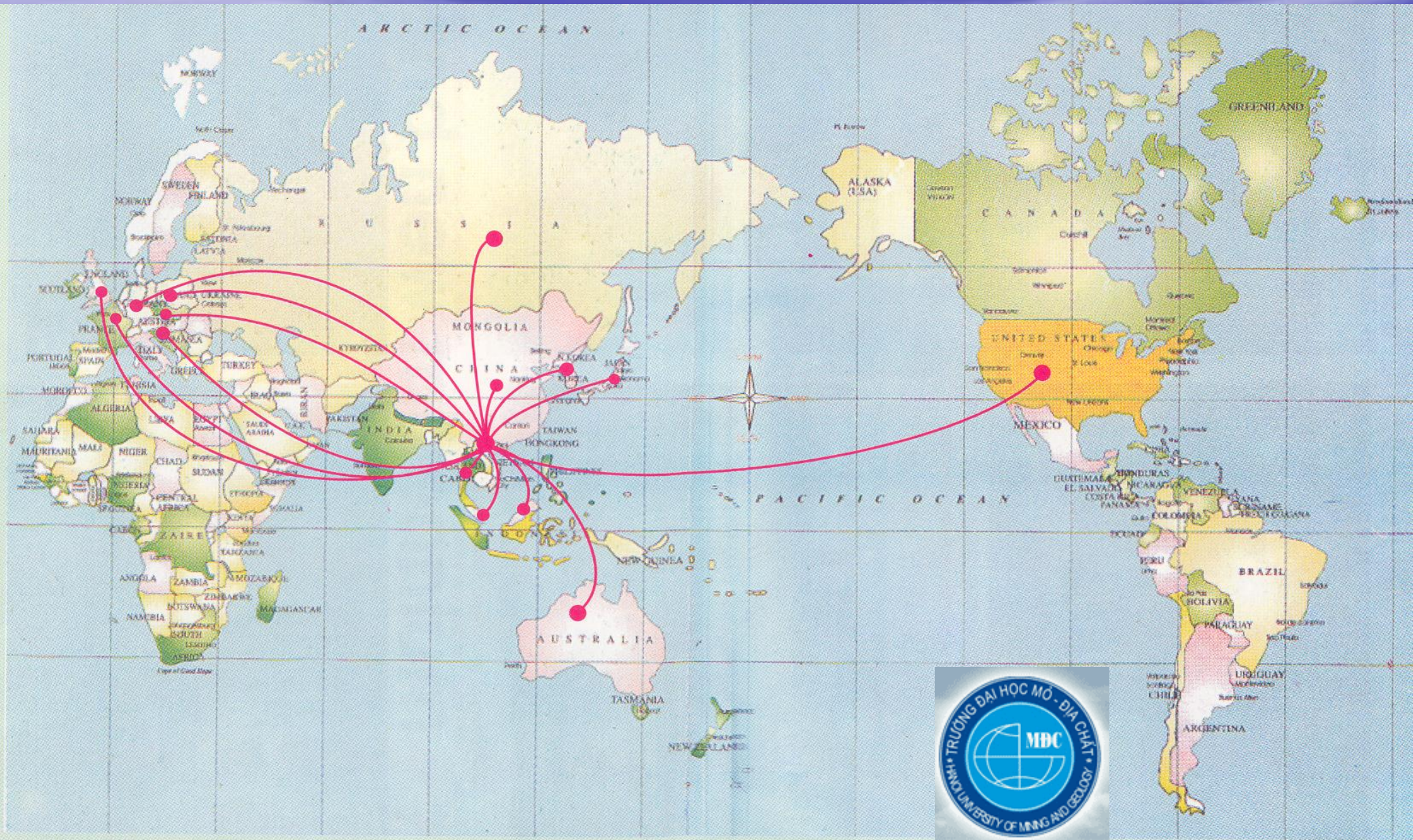
4. International Cooperation

Companies and organizations: DANIDA, DAAD, VEF, BP, Esso-Mobil, Schlumberger, Japan-Vietnam Petroleum Company, Petronas, Vietsovpetro, Chevron, Tiberon Minerals ...

Every year, UMG always gets the assistance from those organizations: funds for scientific research projects, scholarships for students, scholarships for some staffs to do their post-graduate courses overseas, equipments and workstations for the labs, books and documents for the library and also opportunities for students to have their industrial practice, summer internship and work.



International Cooperation



Thank you!

