

Overview – organisation – mobility and degree awarded

DIPLOMA SUPPLEMENT, specimen



International Master in Advanced Clay Science

Diploma Supplement



RECORD OF ACADEMIC ACHIEVEMENT

The Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the Supplement is to provide sufficient independent data to improve the international « transparency » and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value-judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided an explanation should give the reason why.

1- INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

| | | | | | | | | | |
|-----|----------------|--|-----|-----------------|----------------------|---|----|---|------|
| 1.1 | Family name(s) | | 1.3 | Date of birth | XX | / | XX | / | XXXX |
| 1.2 | Given name(s) | | 1.4 | Student ID (UP) | XXXXXX-XXXXXX-XXXXXX | | | | |

2- INFORMATION IDENTIFYING THE QUALIFICATION

| | | |
|------|----------------------------|--|
| 2.1 | Qualification | International Master in Advanced Clay Science |
| 2.2a | Programme of Study | Environmental Science - Material Science - Chemical Engineering - Geology |
| 2.2b | Specialisation followed | <i>“Environment, Soil and Geological systems” “Geomaterials and Civil Engineering - Assessment processing”</i> |
| 2.3 | Awarding Institutions | Université de Poitiers - France |
| | | Technical University of Crete - Greece |
| | | Universidade Federale do Rio Grande do Sul - Brazil |
| 2.4 | Administering Institutions | Université de Poitiers – France Technical University of Crete – Greece Universidade de Aveiro – Portugal Universidade Federale do Rio Grande do Sul – Brazil University of Ottawa - Canada |
| 2.5 | Language of Instruction | Mainly English (>80%) & Parts in French, Portuguese and Greek |

3- INFORMATION OF THE LEVEL OF THE QUALIFICATION

| | | |
|-----|------------------------|--|
| 3.1 | Level of qualification | Master Grade - 120 ECTS credits |
| 3.2 | Length of Programme | Two years (including 10 months of professional practice) |
| 3.3 | Accessibility | Bachelor level or equivalent (180 ECTS already acquired) |

4- INFORMATION OF THE CONTENT AND RESULTS GAINED

| | | |
|------|------------------------|---|
| 4.1 | Mode of Study | Full time |
| 4.2 | Programme requirements | Fluent level in English language |
| 4.3a | Programme details | Please see overleaf for further details of IMACS scheme |
| 4.3b | Results gained | <i>Please see overleaf for grading scale</i> Un-followed modules have been removed from the list below |

| <i>Code</i> | Title (teaching language) | Compulsory Elective | <i>Grades</i> | <i>ECTS</i> |
|-------------|--|------------------------|---------------|-------------|
| | Period 0 (University of Poitiers –FR) | C | | 3 |
| UP - 001 | Field trip | C | B- | 3 |
| | Period 1 (University of Poitiers –FR) | C | | 45 |
| UP - 101 | Language training in English | C | A+ | 2 |
| UP - 102 | Basic knowledge update | C | A | 4 |
| UP - 103 | Crystal structure and organisation of finely divided solids | C | B+ | 6 |
| UP - 104 | Crystal chemistry and local structure of clays and clay minerals | C | A- | 6 |
| UP - 105 | Crystal growth and mineralogenesis of clays | C | B | 6 |
| UP - 106 | Thermodynamic data for clay minerals | C | B- | 3 |

| | | | | |
|-------------|--|--------------|----|-----------------|
| UP - 107 | Molecular modelling | C | A | 3 |
| UP - 108 | Physical chemistry and hydromechanics : Microstructure and physical properties | C | A+ | 6 |
| UP- 109 | Physical chemistry and hydromechanics : Solid-solution interface | C | A- | 6 |
| UP - 110 | Bibliographical project | C | B | 3 |
| | Period 2 (Technical University of Crete – GR) | E | | 12 |
| TUC - 201 | Master project | C | B+ | 12 |
| | Period 3 (Technical University of Crete – GR) | E | | 18 |
| TUC - 301 | Industrial clay deposits | C | A | 6 |
| TUC - 302 | Clays for geotechnical and civil engineering applications | C | A- | 4.5 |
| TUC - 303 | Beneficiation routes for industrial clays | C | B | 4.5 |
| TUC - 304 | Field trip to industrial clay deposits (4 days) | C | B+ | 3 |
| | Period 4 (University of Poitiers – FR) | E | | 18 |
| UP - 401 | Geological systems: clays in the Earth's crust | C | A- | 6 |
| UP - 402 | Fluid/clays interaction modelling in the environment | C | B | 3 |
| UP - 403 | The critical zone | C | B+ | 6 |
| UP - 404 | Field Trip | C | A | 3 |
| | Period 5 (UFRGS – Br) | E | | 24 |
| UFRGS - 531 | Master thesis | C | B+ | 16 |
| UFRGS - 532 | Hydrothermal Alteration and Metallogeny | C | B+ | 3 |
| UFRGS - 533 | Geology of Clay and Clay Minerals Deposits in Brazil | C | A | 5 |
| | | Total | | 120 ECTS |

The letters preceding the numbers in the code indicate the hosting institution inside the IMACS consortium: UP: Université de Poitiers - France, TUC : Technical University of Crete – Greece, UA : Universidade de Aveiro – Portugal, UO : University of Ottawa – Canada, UFRGS : Universidade Federale do Rio Grande do Sul, Porto Alegre – Brazil.

| | | |
|------|-------------------------------------|--|
| 4.3c | Title of the Master Thesis | |
| 4.3d | Supervisor(s) of the Master Project | |
| 4.4 | Grading system | The ECTS grading scale is used for conversion (see below) |

| | Student achieving a passing grade | | | | | Insufficient grade |
|---|-----------------------------------|----------|----------|----------|----------|--------------------|
| | A | B | C | D | E | FX or F |
| <i>ECTS grading scale used in IMACS</i> | | | | | | |
| Relative position of the student | first 10% | next 25% | next 30% | next 25% | last 10% | Failure |
| ECTS acquired by the student | All the ECTS of the course | | | | | no ECTS |

5- INFORMATION OF THE FUNCTION OF THE QUALIFICATION

| | | |
|-----|-------------------------|---|
| 5.1 | Access to further study | Doctoral programme (PhD Thesis) |
| 5.2 | Professional status | <i>(Non applicable)</i> |

6 - ADDITIONAL INFORMATION

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| 6.1 | Additional information | <p>Details on IMACS organisation and contents are available on:</p> <p>IMACS web site address</p> |
| 6.1a | Professional competence and skills acquired during the programme | <p>The aim of the IMACS Masters Course project is to acquire the competence, fundamentals knowledge and skills necessary to perfectly assimilate the more recent developments in clay science and their applied perspectives. The future success of these specialists is guaranteed by providing them a complete and rich background on the fundamentals of clay science (identification, mineralogical and chemical analyses, physico-chemical properties) and an in-depth professional specialisation in two of the following fields :</p> <ul style="list-style-type: none"> - Environment, Soil and Geological systems - Geomaterials and Civil Engineering – Assessment and processing - Advanced clay, Nanomaterial - Healing minerals |
| 6.2 | Further information sources | See the related web site for additional information or check-in: |
| | Specimen of IMACS Diploma supplement | IMACS web site address |
| | European Credit Transfer System (ECTS) | http://ec.europa.eu/education/lifelong-learning-policy/doc48_en.html |
| | ERASMUS MUNDUS Programme of EU | http://ec.europa.eu/education/programmes/mundus/projects/index_en.html |

7- CERTIFICATION OF THE SUPPLEMENT

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|------|--------------------------------|--|
| 7.1 | Date Diploma Supplement issues | |
| 7.2a | Signatures | |
| 7.2b | Names | |
| 7.3 | Capacity | <p>IMACS Coordinator</p> <p>Responsable Scolarité UFR Sciences Fondamentales & Appliquées Université de Poitiers</p> |

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| 7.4 | Stamps | | |
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8 – INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

8.0 The IMACS is an integrative Masters Course shared between 5 High Education Institutions and its internal organisation has been harmonised between the French, Portuguese, Greek, Canadian and Brazilian partners. However, they respect their national legal policy in term of High Education. Please, see each national system on appropriate official information sources.