



UNIVERSITÀ  
DI CAMERINO

## **School of Science and Technology**

**Master of Science (M.Sc) degree course in**

**GEOENVIRONMENTAL RESOURCES AND RISKS**

**in international consortium with LMU, München, Germany**

(Classe **LM74: scienze e tecnologie geologiche**)

## **COURSE HANDBOOK**

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**Course duration 2 years**  
**120 ECTS**

**Place and address of the course:**

School of Sciences and Technology – Geology Division  
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CAMERINO 62032, Italy  
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**Accademic year 2010-2011**

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**UNICAM website:** <http://www.unicam.it> **Degree course website:** <http://www.unicam.it/geologia>

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e.mail: [giuseppe.pierri@unicam.it](mailto:giuseppe.pierri@unicam.it); Office hours: Mon.-Fri. 10:00-12:30 from 15th July to 31st December. Mon.-Fri. 10:00-12:00 from 1st January to 14th July.

## 2. Presentation

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The natural prosecution of studies in geology and environment matters after a bachelor degree in "Geology" (Classe 16 or L-34) is a **Master of Science M.Sc. Degree in Geological Sciences and Technologies (classe LM-74)**. The course in "**Geoenvironmental resources and risks**", offered by UNICAM, provides two years of study (120 credits) with two curricula both covering areas of interest for geologists. The first curriculum, "Resources and Risks "(in English) is focused on the study of georesources and geo-environmental hazards, the second curriculum ("Geoarchaeology and Geoarcheometry, in Italian) is devoted to the study and analysis of archaeological and cultural heritage, as a resource for the territory, to study and protect. A new important opportunity, unique in Italy among the master degrees in Earth Sciences is represented by the activation of **the international consortium between the Universities of Camerino and München (Ludwig Maximilians Universität – LMU, Germany)**. The agreement between the two universities allows students participating in the program to achieve the **dual title degree** (Italian and German) with a common curriculum and a **period of study in the partner university**.

The identification, availability, management and protection of geo-resources (surface water and groundwater, hydrocarbons, geomaterials) is a primary goal for human development and a topic of major interest for environmental planning and protection. The sustainable use of geo-resources and mitigation of problems associated with their use, the effect of pollution (industrial and human activities) on water, soil and atmosphere, the search for hydrocarbons and other energy sources (coal-based, hydroelectrical, geothermal) are issues of fundamental importance for the whole world. The study and determination of geological hazards (hydrogeological, volcanic and seismic) is of fundamental importance for the geological evaluation of localization of high risk industrial sites (including dams and power generating plants), for major public works (bridges, roads, railways) but also for storage of waste and pollutants or radioactive materials.

The correct evaluation and interpretation of the geological setting is essential to defend humanity from the catastrophes, both natural or induced by man. The geological data are essential for the characterization of the mechanisms responsible for volcanic eruptions, for determining the seismogenic faulting, for the hydrogeological risk assessment. A better knowledge of geological hazards in all their inherent complexity, combined with knowledge of modern methods of monitoring and modeling of natural phenomena, helps define the strategies of determination, mitigation and risk management, including prevision and prevention.

The Master degree course in "Geoenvironmental Resources and Risks" with its two curricula, aims to provide extensive knowledge and expertise in the various fields of Earth Sciences related to these topics. In the course the combination of theoretical courses, practical field exercises and the knowledge of experimental analytical methods and data processing, contributes to the cultural formation of the geologist. Ample space is dedicated to the interdisciplinary courses, especially useful in addressing some environmental issues. The interaction with other scientific/professional fields are introduced with some courses taught by professionals with wide practical experience. Stages in companies, agencies, research labs and study periods abroad within the Erasmus project throughout Europe (for exams and/or thesis) and outside Europe are particularly encouraged and supported.

### 3. Description of the course

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The **M.Sc. Degree in "Geoenvironmental Resources and Risks" (LM74)** consists of two curricula, each of 120 ECTS:

- 1) **"Resources and Risks"**
- 2) **"Geoarcheology and geoarcheometry"**

The curricula proposed in this Master Degree reflect the strong world interest for the environmental issues and the increasing attention to the use of the georesources as well as for the protection of the cultural heritage. The diversification into two curricula allows students to move towards the sector of interest and in which to specialize by choosing courses and activities, stage and thesis. Some highly technical and interdisciplinary subjects, different for the two curricula, allow students a better integration in the professional world, whereas other disciplines contribute to nourish scientific interests, possibly for a future PhD.

The **curriculum "Resources and risks"** (Table A) aims to form a geologist able to operate for the a) study, exploration, exploitation and sustainable use of georesources, b) study of geological hazards in the various phases, from the monitoring and the evaluation, to the mitigation management. The course is designed to create a professional with a strong geological background and multidisciplinary expertises (chemical, physical and environmental) useful to address the environmental issues, with attention to the implications regarding society and the population. Following the growing demand of experts with a geological background, quantitative basis, interdigitation of knowledge and use of the more modern technology, the graduates will be able to work professionally and effectively in collaboration with experts from other cultural backgrounds.

In this curriculum, we ideally distinguish the program in three parts: one dedicated to the **topics of the resources and risks**. The second part is dedicated to the **tools** that the geologist must have to address these issues at the specialist level. The third part is dedicated to the **students' choice** (27 ECTS), with space for individual specialization in the field of interest, by a study plan among the ones proposed or a personal plan, to be further addressed during a stage and the **thesis** (30 ECTS) (Table A).

The curriculum is **taught in English**, with a good number of Italian and foreign students: this gives an important input to the students, stimulates them to open to the world and gives them a better chance of work in Italy, Europe and abroad. Thanks to the teaching in English, this curriculum allows the ERASMUS students to follow the courses. Also, to help the students with inadequate levels of English, the courses are complemented by support activities. Furthermore, the University provides English language courses in e-learning or traditional mode, which can be taken by the students who want to increase their linguistic abilities. Some optional courses are still taught in Italian, in a period of transition to teaching entirely in English

Furthermore, as a **novelty in Italy for the courses in the Earth Sciences**, the University of Camerino has organized **an international consortium with the Ludwig Maximilians University (LMU) - München (Germany)**, which offers to the students the possibility of obtaining the **double Italian and German university degree**, with a period of study in the partner University. The Double Degree program with LMU-Muenchen University (Germany) offers a new opportunity

which aims to increase the level of internationalization of the Italian Earth Sciences degrees at the M.Sc. level. The participation to the Double Degree program allows the student to enter in contact with different study and research environments which will contribute to better build up the path for the future in a larger Europe and smaller World. The program implies to spend the second year of the course in the partner University, of which one semester can be dedicated to the thesis (or stage and exams). Thanks to the agreement between UNICAM and LMU, the students will obtain a Double Degree, Italian and German, issued by the two Universities.

The students will organize a personal plan of study with the courses they are interested to take, choosing from the list of those offered for the academic year by the two universities. The thesis will be in English and the presentation and defend can be carried out either at the home or partner University. The period abroad will be also recognized as ERASMUS exchange program with ERASMUS financial support.

The students interested to participate the program will make an application to the Responsible of the Degree Course of the home University, including the personal curriculum for evaluation. The selection will be carried out by a Commission formed by professors of the two universities. A good knowledge of English is required but German language although useful, is not necessary.

The **curriculum “resources and risks” of the M.Sc. degree in Geoenvironmental resources and risks** is organized as follows (table A):

<b>1st year – table A</b>					
Course	Sector	ECTS*	Unit*	Type*	Evaluation (grade or idoneity)
Geomathematics	MAT/01	6		c	grade
Groundwater resources and hydrogeological hazard	GEO/05	5	groundwater resources	b	grade
	GEO/04	5	hydrogeological hazard	b	
Environmental chemistry	CHIM/12	6		b	grade
Geomaterials	GEO/06	5		b	grade
Petroleum geology	GEO/02	5		b	grade
Advanced field geology	GEO/02	3	structural analysis	f	grade
	GEO/03	3	facies analysis	f	
Advanced english or stage		5		f	idoneity
<b>2nd year</b>					
Courses	sector	ECTS*	Unit*	Type*	Evaluation (grade or idoneity)
Seismic hazard	GEO/03	5		b	grade
Volcanic hazard	GEO/08	5		b	grade
Geophysical prospecting	GEO/10 FIS/06	5	methods	b	grade
		5	applications	b	
Students' choice from:		27		6c, 13f, 8d	Grade or idoneity
- geodynamics and global tectonics					
- geomaterials and geochemistry					
- landscape and territory planning					
- disaster management and civil protection					
Thesis		30		e	Idoneity

<b>Total CFU*</b>	<b>120</b>			
<b>* Legend:</b>				
<b>ECTS:</b> 1 ECTS is equal to 25 hours of study (includes personal study, lessons, practicals, field trips)				

**Unit:** some courses are divided in parts taught by different teachers. There is a single final exam although it is possible to organize partial exams or test or practical test at the end of each unit.

**Types:**

- A.** attività formative di base
- B.** attività formative caratterizzanti
- C.** attività formative affini o integrative
- D.** attività formative a scelta dello studente
- E.** per la prova finale e per la conoscenza della lingua straniera
- F.** altre (ulteriori conoscenze linguistiche, abilità informatiche e relazionali, stage etc.)
- G.** ambito aggregato per crediti di sede Tirocinio

The curriculum "**Geoarchaeology and Geoarcheometry**" (Table B) offers courses in geological and multidisciplinary topics related to the title of the curriculum, practical training in archaeological excavation and archaeometry laboratory, space for individual choice and a thesis (30 ECTS). Since the subject is highly interdisciplinary, the curriculum also includes courses, workshops and activities carried out in collaboration with archaeologists from the University of Macerata, with the Superintendence for Archaeological Heritage of the Marche Region, with Museums and specialists in the field of archeology, restoration of monuments and archaeometry.

The graduates in the curriculum "Geoarchaeology and Geoarcheometry" will be able to be competent for the identification and monitoring of archeological structures, for the stratigraphic analysis of the archaeological excavations using the geoarchaeological skills acquired through practical training. The students will become familiar with GIS, the use of remote sensing and the geophysical methods applied in archeology. They will be able to deal with the problems related to monument stability and to the assessment of the deteriorating of cultural and archaeological heritage, as well as planning activities of restoration and conservation.

Graduates will have analytical laboratory skills in archaeometric determinations on geomaterials, metals, ceramics, glass and mortars and binders as well as knowledge of chemistry applied to restoration problems. Basic knowledge of archaeology and history, topography and cultural heritage legislation will complete the preparation to enter the professional world.

The **curriculum "geoarcheology and geoarcheometry" of the M.Sc. degree in Geoenvironmental resources and risks** is organized as follows (table B):

<b>1st year – table B</b>					
Course	Sector	ECTS*	Unit*	Type *	Evaluation (grade/ideoneity)
Geomatematica	MAT/01	6		c	grade
Geologia per i beni archeologici e monumentali	GEO/02	4	geologia del quaternario	b	grade
	GEO/04	3	litologia	b	
Topografia e cartografia per l'archeologia	ICAR/06	5		f	grade
Geoarcheometria	GEO/06	7	mineralogia applicata all'archeometria	b	grade
	GEO/07	3	petrografia applicata all'archeometria	b	
	CHIM/01	4	metodologie di analisi	f	
Archeologia italica	L/ANT-06	6		c	grade
Geoarcheologia e metodi di ricerca archeologica	GEO/04	3	geoarcheologia	f	grade
	L/ANT-06	4	ricerca archeologica	f	

<b>2nd year</b>					
Courses	Sector	ECTS *	Units *	Type *	Evaluation (grade or idoneity)
Restauro dei monumenti	CHIM/12	6		b	grade
Telerilevamento per l'archeologia e GIS	GEO/04	3	telerilevamento	b	grade
	GEO/04	3	GIS	b	
Stabilita' dei siti monumentali e legislazione	GEO/05	4	stabilita'	b	grade
	IUS/10	3	legislazione	f	
Metodi geofisici per l'archeologia	FIS/06	5	metodi	b	grade
	GEO/10	5	applicazioni	b	
	GEO/03	3	rischio sismico	b	
Attivita' a scelta libera		8		d	idoneity
Scavo archeologico o laboratorio archeometrico		5		f	idoneity
Tesi		30		e	idoneity

<b>Totale CFU*</b>	<b>120</b>			
<p><b>* Legend:</b></p> <p><b>ECTS:</b> 1 ECTS is equal to 25 hours of study (includes personal study, lessons, practicals, field trips)</p> <p><b>Unit:</b> some courses are divided in parts taught by different teachers. There is a single final exam although it is possible to organize partial exams or test or practical test at the end of each unit.</p> <p><b>Types:</b></p> <ul style="list-style-type: none"> <li><b>H.</b> attività formative di base</li> <li><b>I.</b> attività formative caratterizzanti</li> <li><b>J.</b> attività formative affini o integrative</li> <li><b>K.</b> attività formative a scelta dello studente</li> <li><b>L.</b> per la prova finale e per la conoscenza della lingua straniera</li> <li><b>M.</b> altre (ulteriori conoscenze linguistiche, abilità informatiche e relazionali, stage etc.)</li> <li><b>N.</b> ambito aggregato per crediti di sede Tirocinio</li> </ul>				

The students can choose optional courses among all those reported in both the curricula. Others are proposed every year and can include: Coastal dynamics, Disaster management, Geographic Information Systems (GIS), Stratigraphic geology, Regional geology, Mineralogy applied to the environment and industry, Environmental Geology, Geopedology, Remote Sensing and Photogeology, Renewable Energies, Project management, Informatics, Atmospheric science, Astronomy.

#### **4. Requirements for enrollment (D.M. 270/04)**

Students graduated with a 3 years (or more) degree in Geological Sciences (classe 16 or L34) are the natural candidates for this M.Sc. degree because of their background which includes Mathematics, Physics, Chemistry and Geology courses in the various fields.

The access is open also to candidates with different 3-years (or highr) scientific degree (e.g. chemistry, physics, natural or environmental sciences, engineering, cultural heritage) if they have a suitable scientific and geological background. The curriculum will be evaluated for admission by a commission who will also formulate individual study plans to take into consideration the different backgrounds of the students. The starting level of knowledge of English will have to be not less than the European level B1 and will be evaluated by a test at the beginning of October. The students can have access to English courses to improve their foreign language skills.

The students interested to partecipate the Double Degree program with LMU-Muenchen, after enrolling, will make an application to the Responsible of the Degree Course of the home University, including the personal curriculum for evaluation. More information at paragraph 3 and <http://www.unicam.it/geologia/unicam-lmu/unicam-lmu.htm>.

## **5. *Employ prospect and career***

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The graduated in the Class LM74 can carry out analysis, planning and managing of geological projects regarding the territory, its resources and the evaluation/mitigation/prevention of geological hazards. He/she will coordinate technical and managerial structures dealing with geological and environmental issues, making also use of all the modern methods for geological and thematic mapping, remote sensing, geographic information systems, structural analysis, with focus on: analysis, prevention and mitigation of geological hazards (hydrogeological, seismic, volcanic, water and soil pollution); environmental recovery of abandoned mines/quarries and individuation of waste sites; analysis and modeling of geo-environmental systems and processes (including evaluation of fractured bodies and faults, fluids behavior, coastal/fluvial erosion, basin analysis, volcanism and tectonics); environmental impact assessments, with particular emphasis to the underground exploration also applied to engineering works; assessment and management of geo-resources, including water, oil/gas, geomaterials and geothermal heat; assessment for the protection of hystorical monuments, study and conservation of archeological areas; analysis and physico-mechanical characterization and certification of geological materials (minerals, rocks, metals, fossils) and synthetic materials (ceramics, cements, mortars).

The graduated in the Class LM74 can occupy manager positions at: local, national and international institution devoted to the environmental and territory protection; independent professional geo-environmental companies; stataal and regional technical services; national and international research laboratories and universities; cartography centers; geomaterials laboratories; disaster management and civil protection; international cooperation; companies involved in the construction of public and civil buildings and structures (buildings, roads, railways, bridges, tunnels, dams, electric and gas lines, energy resources sites and infrastructures). The scientific/technical background allows also to work in fields like scientific communication and commerce, natural science museums, parks, environmental education, conservation of the cultural heritage, informatics, teaching in middle-high school (see the national rules for each country).

The graduated in the Class LM74 "Geoenvironmental Resources and Risks" (both curricula) can have access to the Register of Professional Geologists (Senior Section) by passing the State Exam (UNICAM is examination center) ([www.geologi.it](http://www.geologi.it)). The large freedom of choice left to the students during the course of study and the activities of stage and thesis will allow to define his/her own competences as a professional geologist. After graduation one can access first and second level specialization Masters and can also have access to the PhD program in "Earth Sciences" (University of Camerino, <http://www.unicam.it/laureati/dottorato/>, [http://www.unicam.it/geologia/ricerca/phd\\_program.htm](http://www.unicam.it/geologia/ricerca/phd_program.htm)).

## **6. *Teaching organization***

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Throughout the course it is strongly stimulated the practical and applicative component with exercises in the classroom, laboratory and field, also in collaboration with Italian and international laboratories, institutions and companies. The methods of data measurement and collection, analysis of statistical data, the use of computer programs, general and specific graphics programs, theoretical modeling are emphasized and encouraged. The thesis, based on experimental original work will complete the course of study and can be carried out also abroad in projects of scientific cooperation and Erasmus exchange. See also the paragraph *Final exam and graduation*.

The lessons of the curriculum "Georesources and risks" are in English, whereas those of the curriculum "Geoarchaeology and geoarcheometry" are taught in Italian. A preliminary English test must be taken at the start of the course to check the input level (European level B1) and eventually to direct the student to an integration course if necessary. Students with a level B2 will opt for an internship. Conventional classrooms, computer classrooms, teaching and scientific labs are used for the lessons and the practicals. Students have access to library with on-line journals and databases, study rooms equipped with computers and internet access and wifi, spaces for internal students, scientific and technical laboratories. There is also availability of buses for field trips, computer courses (basic and advanced, programming, GIS, Autocad,) English or other European languages. The students interested can take any course available at the University, as extra credits. Information concerning the degree course is available at <http://www.unicam.it/geologia/>.

An introduction to different working environments will be promoted with seminars and workshops by visiting professors, visits to research laboratories and geo-environmental monitoring centers and with the possibility to take part to internships in Italy and abroad in the different fields. The degree program also organizes information seminars for Erasmus and international programs, internships and placement as well as specific training courses on topics relevant to the world of work.

### • **European Credit Transfer and Accumulation System (ECTS)**

The acquisition of knowledge and skills by students are assessed by credits. The credits represent their learning work including individual studies and practise (also laboratory) necessary to get the Postgraduate Degree in Computer Science. 60 credits represent the medium study workload carried out by a full-time student with suitable starting preparation for one academic year.

Students have to get 120 credits to obtain the Postgraduate Degree in Computer Science. The ratio of time spent for tutored activities and time spent for individual studies within the programme of training activities should usually be about 1:3. One credit is equal to a 25-hour standard workload for each student: for example, one credit might be equal to 7 hours of lectures in classroom or 8 hours in laboratory.

12- and 6-ECTS courses are provided in the curriculum of Postgraduate Degree in Computer Science. These courses can include seminar activities as "independent studies", related to any study plan offered by the Postgraduate Degree Course.

### • **How to assess training activities**

All activities concerning ECTS must be assessed. The assessment is expressed by specific committees chaired by the staff in charge of training activities. Exams are carried out in written and/or oral or with other procedures suitable for particular kinds of activities. Students may be tested during the courses to verify their profit. Participation to these tests is optional and the result does not jeopardize the admission to the final exam.

Tests to verify students' profit are also available for courses divided into modules (at the end of each module). If not differently indicated, training activities are assessed by a grade espressa in numbers between 18 and 30, possibly "cum laude".

It is necessary to verify the course attendance and write a report on carried out activities signed by the teacher/supervisor to attribute credits for placements or apprenticeships. These assessments can be expressed with only 2 grades: "idoneo" (suitable) or "non idoneo" (not suitable).

### • **Credit recognition**

Training activities carried out at other study programs, other Universities, or professional/practical skills and knowledge can be recognized in terms of credits. The relative credits are given by considering the activity contribution to get to the training targets of Postgraduate Degree Course.

### • **Scholarships**

UNICAM calls for scholarships addressing to students enrolled on Postgraduate Degree Course yearly. Further information will be available at <http://www.unicam.it>.

### • **Lecture and exam calendar**

The teaching activity is divided into 2 semesters according to the following calendar:

Teaching Activity of the First Semester	4 ottobre 2010	-	28 gennaio 2010
Teaching Activity of the Second Semester	28 febbraio 2011	-	10 giugno 2011

Information about timetables and classes for lessons are available at <http://www.unicam.it/studenti> or in the geology web page <http://www.unicam.it/geologia>.

Exam sessions are provided for every course at the end of each period. The teachers will inform the students about the kind of exam for each course in advance; the exam will only be oral if not specified. Exams can include the carrying out of projects and seminars, suitable for promoting the grade of autonomy and independence in the student. The student who wants to take an exam is obliged to register on-line for the session of the specific course at <https://didattica.unicam.it> with the username and password supplied when the student enrolls.

The exam programme is the last teaching programme carried out for the same course. Therefore the programme carried out during the course will generally be valid for 12 months from the end of teaching activities.

The calendar of exam sessions and teaching programmes are available at <https://didattica.unicam.it>

- ***Final exam and graduation***

To graduate the students will have to carry out a personal project which grants 30 ECTS. The project will comprehend experimental work (field or laboratory-based or both) and it will be related to the topics of the course. The thesis project can be carried out inside the University or in other research lab/institutions in Italy or abroad, in agreement with the course regulations and with the supervision of UNICAM professors. The thesis, in English or Italian but preferably in English, will contain at least an extended abstract in the other language. The final exam consists of the presentation of the project and the results obtained and a public discussion with the Commission. The discussion will ascertain the preparation of the candidate and the competence acquired in the matter and allow the Commission to decide the final marks to assign to the candidate. The students participating to the Double degree program can discuss the thesis either in Camerino or in Muenchen

The Degree grade is expressed in numbers between 66 and 110, possibly "cum laude". It assesses students' curriculum, their preparation and their scientific maturity reached at the end of the Degree Course. The grade is assessed by a suitable committee made up according to the University Teaching Regulations.

## ***7. Teaching activities and teachers***

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Attachment A of this handbook contains in detail all the information about active courses and correspondent teachers offered by School of Science and Technology and Degree Course for first and second year students. Programs and information about active courses, as well teachers' curricula can also be found at <http://www.unicam.it>. Schedule of the exams is available at <http://didattica.unicam.it>.

## ***8. Teaching auxiliary services***

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- ***Guidance and Tutoring service***

Periodical meetings with the students are promoted through the tutoring coordinator to discuss about the general course state of training activities. Each student is assigned a tutor the students can turn to for problems, vocational guidance, planning of their own study programme.

Tutors offer a series of activities to orient and help students in their University career. It is aimed at the following people in particular:

- first-year students, helping them organize and plan their studies, informing them of the services offered by the University, finding classrooms, working out their timetable, and solving any administrative-teaching problems;
- students who are planning a period of study abroad or a stage;
- students who want to present an individual plan of studies;
- foreign students enrolled at UNICAM to help them living in Camerino and University.

Students can talk to every teacher at least two hours a week where they can get explanations about lecture topics. Students can ask directly for explanations or sending e-mail to the teacher.

For further information, please contact the Tutoring coordinator.

- ***The opportunity to study abroad***

UNICAM offers many possibilities for international mobility:

ERASMUS for study

The program allows the student to spend a period of study abroad (from 3 to 12 months), providing the opportunity to take courses, to take advantage of university facilities, to conduct research aimed at drafting their degree thesis, and to obtain recognition of exams taken abroad, provided they have been pre-designated within an appropriate study program. Students who are interested can take part in the annual call from the University published in the period December - February.

Erasmus Student Placement (internship)

It is possible within the Erasmus program to hold internships (from 3 to 12 months) in enterprises, in research centres, and in European training centres, ensuring a recognition of curricular activities carried out abroad, provided there is agreement in advance with their respective Erasmus coordinators.

ERASMUS agreement, which allow to spend a period of study abroad for courses, thesis or PhD, include:

<b>Czech Republic</b>	Charles University Prague
<b>Germany</b>	LMU - Ludwig Maximilians Universitaet München
<b>Denmark</b>	University of Aalborg
<b>Spain</b>	Universidad de Granada
<b>Spain</b>	Universidad de Zaragoza
<b>France</b>	Université Paris-Sud
<b>France</b>	Université de Reims Champagne-Ardenne
<b>Greece</b>	Aristotle University of Thessaloniki
<b>Greece</b>	Technological Educational Institute of Crete
<b>Romania</b>	University of Oradea
<b>Turkey</b>	Yuzuncu Yil Universitesi
<b>Portugal</b>	University of Lisboa

The students enrolling to the M.Sc. degree "Geoenvironmental resources and risks" other than the participation to the ERASMUS exchange program can participate to the double degree program with LMU-Muenchen University (Germany). The program implies to spend the second year in the partner University, of which one semester will be dedicated to the thesis. The thesis presentation and defend will be carried out either at the home or host University. The program, thanks to the agreement between UNICAM and LMU, allows to obtain a double degree, Italian and German. More details are available in section 4 and at <http://www.unicam.it/geologia/unicam-lmu/unicam-lmu.htm>.

### • *Internships*

The connection between the university and the workplace is one of the priorities at UNICAM. UNICAM organizes meetings and dialogues among students, graduates, professionals and companies. In this spirit, the internship is an important tool allowing students, both graduates and the recently graduated, to have experience in a real working environment, an opportunity to learn directly about working-life and the opportunity, in some cases, to develop a particular expertise.

The University of Camerino has agreements with more than 1800 companies, institutions, administrative and professional offices, where students, both undergraduate and graduate, may pursue their internships. An internship can be done both in Italy and abroad.

#### Services offered

- Management of a database (UNICAM Stage) through which internships are offered. These can be carried out in companies or in public and private agencies
- Activation of post-graduate internships in companies
- Insertion of the CVs of UNICAM graduates into the online database UNICAMJob
- Support activities during entry into the workplace
- Participation in the program 'Work Kit' ('Borsa Lavoro') (a net of online services and an open system for putting together inquiries and offers of work via the Internet: [www.unicam.it/laureati/mondolavoro/index.asp](http://www.unicam.it/laureati/mondolavoro/index.asp))

The event "Young People + University = Work" is of particular relevance. It takes place each year, generally in the autumn. University students and new graduates are invited to attend the event to have an opportunity to listen to the accounts given by many different professionals, to meet and to establish direct contacts with company representatives, and to get to know experts from the world of work so they can start to plan out their own personal career path.

### • **Services for welcoming students with disabilities**

The 'Welcome Service for Disabled Students' aims at providing students with disabilities equal opportunities for managing their studies and for the chance to live fully the college experience.

This objective is pursued through outreach activities, through technology and through staff specially dedicated to students, as well as by the removal of physical and cultural barriers standing in the way of learning and standing in the way of everyday life.

By contacting the Service Tutors, it is possible map out a training plan which taking into account the particular disability and individual goals, defines solutions and personalised participation.

Facilities and services:

- Technological aids and specialised teaching support
- Personalised examinations (for entry and for credits)
- Specialised tutoring
- Transport with accompanying person
- Location and delivery of library materials
- Tax reduction and exemption
- Housing suitably equipped and the possibility of economic assistance for accompanying person
- Access to university facilities
- Psychological counselling
- Access to sports facilities of C.U.S. (University Sports Centre)
- Assistance in participating in the LLP/ Erasmus programme
- Internships and training courses aimed at work placement

## **9. Quality assurance system**

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The UNICAM Quality Management System Certificate ISO 9001:2008 UNICAM (from AFAQ-France, the leading French certification body and one of the first certification bodies in the world) is aimed at ensuring for students the high quality of services provided. This is achieved through a rigorous analysis of internal organizational procedures and the prompt handling of any problems that are picked up or that are reported by the students.



The Quality Management System includes support services for students. These are: guidance; tutoring; international mobility; internships and placement; communication. They provide a back-up to the teaching activities, thus contributing to the complete training of the student.

## **10. Useful information**

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**UNICAM website:** <http://www.unicam.it>

**School website:** <http://sst.unicam.it>

**Degree course website:** <http://www.unicam.it/geology>

**UNICAM teaching information website:** <https://didattica.unicam.it>