



UNIVERSITÀ  
DI CAMERINO

**Call for admission to the Summer School in**

# **“Geomorphological mapping in tectonically active areas”**

**Activated by the School of Science and Technology – Geology Division**  
Academic Year 2023/2024

Rector's Decree no.197 (Prot.no. 28059) of 04-15-2024

Direction of the Course: Prof. Gilberto Pambianchi  
and Dott. Domenico Aringoli

Members of the Scientific Board: Gilberto Pambianchi, Graziano Leoni, Andrea Dall’Asta, Emanuele Tondi, Domenico Aringoli, Marco Materazzi, Piero Farabollini, Pietro Paolo Pierantoni, Stefano Mazzoli, Mauro Soldati, Giandomenico Fubelli.

Administrative venue of the course: Polo di Geologia, Viale Gentile III da Varano 7 - 62032 Camerino

Didactic secretariat: Anna Maria Santroni e-mail: [annamaria.santroni@unicam.it](mailto:annamaria.santroni@unicam.it)

Organising Secretariat: Fabrizio Bendia, Margherita Bufalini, Matteo Gentilucci e-mail: [sirg@unicam.it](mailto:sirg@unicam.it)

Website: [ssgm.unicam.it](http://ssgm.unicam.it)

### **Art. 1 - AIMS AND TRAINING OBJECTIVES**

The Summer School in Geomorphological Mapping in Tectonically Active Areas consists in a theoretical/practical course with the aim of disseminating the methodologies and criteria for geomorphological mapping and survey in seismic areas, bringing together students and researchers from different countries where seismic activity is studied from both a scientific and an applied point of view. The students will be introduced to the new geomorphological legend recently launched by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale - Ministero dell'Ambiente e della sicurezza energetica), in collaboration with AIGeo (Italian Association of Physical Geography and Geomorphology). Theoretical lessons in the classroom will be followed by exercises and field surveys with final cartographic restitution, discussion and comparisons on the work carried out. The areas that will be investigated are those affected by the recent 2016 earthquake in Central Italy where more than 7000 surface geomorphological effects were recorded.

The course is directed to graduates in Geological, Natural, Environmental and Forestry Sciences (and equivalent degrees also obtained abroad), doctoral students, PhDs, professional geologists and employees of public and private authorities.

The school, organised by the University of Camerino, is part of the University's internationalisation initiative, the main aim of which is to meet and integrate the scientific communities of different countries, with a particular focus on young people. In this regard, the proposal has received the patronage of the IAG (International Association of Geomorphologists) and AIGeo (Associazione Italiana di Geografia Fisica e Geomorfologia).

### **Art. 2 - PROFESSIONAL SKILLS DEVELOPED / IMPLEMENTED**

The Summer School in "Geomorphological mapping in tectonically active areas" aims to train highly specialised professional figures suitable to meet the needs of the working world and society, with particular regard to the need for specialists in the field of geomorphological mapping and even more in seismically active areas. This is very crucial in order to support institutional decisions connected to the territory and related to the operating standards under current laws. The choice of this particular context is linked to the recent regulations for the construction sector and in general for territorial planning, especially in areas characterised by increased hazard values due to seismic activity.

For the training course special reference will be made to the "Quaderno serie III, Volume 13" edited by ISPRA-Servizio Geologico d'Italia, Issue I (CARG Project: updating and integration of the guidelines of the geomorphological map of Italy at the scale 1:50,000 and geomorphological database) and Issue II (CARG Project: proposal of a new geomorphological mapping model with application-oriented, geomorphological map of Italy).

### **Art. 3 - EMPLOYMENT PERSPECTIVES OR IMPROVEMENT OF THE POSITION OR ROLE ALREADY HELD**

The skills acquired may have a strong impact on people's professional careers in terms of employment or improvement of the role/position in the current organisation in which they work.

At the end of the training course the participants will have acquired the knowledge necessary for their future and desirable placement in public and private organisations, in the professional sphere or in the

field of scientific research. Technical personnel with such characteristics and skills are, by the way, required not only in Italy but within the European Community, where the recent Eurocode 8 establishes the basic criteria and new standards for structures design and planning in seismic areas.

#### Art. 4 - TEACHING PLAN

Training activities	SSD	CFU	Number of teaching hours					Individual study hours
			In-person lessons	Lessons online	Mixed mode lessons	Alternative teaching *	e-learning	
Geology of Seismically Active Areas	GEO/03	1	6					13
Satellite analysis and monitoring	GEO/04		3					
Geomorphological survey/mapping and seismic hazard elements	GEO/04 GEO/05	2	9			24		20
<b>Totale</b>			<b>18</b>			<b>24</b>		<b>33</b>

\* *Alternative teaching refers to teacher- or expert-assisted teaching activities such as: exercises, workshops, seminars, expert testimony, guided company visits, participation in conferences. Key: exercises (E), workshops (L), seminars (S), expert testimony (T), guided company visits (V), participation in conferences (C), Other (A).*

	CFU	N. hours
Stage		
Final test		
<b>Overall total</b>	<b>3</b>	<b>75</b>
<i>Total assisted teaching</i>		

#### Art. 5 - DEVELOPMENT OF EDUCATIONAL ACTIVITIES

1. The training course lasts 6 days.
2. Classes will start on 2 September 2024 and end on 7 September 2024.
3. The operational headquarters of the Course is located at the Geology Hub and the alternative teaching activities will take place in the field.
4. At the end of the course the participants will have to compose a mapping essay including a short report on the field activities.

#### Art. 6 - TITLES AND REQUIREMENTS FOR ACCESS TO THE COURSE

1. The following degrees (or equivalent and even if obtained in other countries) are a prerequisite for the topics dealt with the Course:

BACHELOR Degrees	MASTER'S and/or single-cycle Degrees
L-34	LM-74
L-32	LM-75
L-25	LM-73

For graduates of classes L-32, L-25, LM-75, LM-73 (and equivalents), it is recommended to have acquired the fundamentals in the fields of geography-physics and geomorphology in order to attend the course.

#### **Art. 7 - FOREIGN TITLES**

1. Applicants who have obtained a qualification outside Italy that is equivalent in level, nature and content and academic rights to the Italian qualification required for admission to the Course may apply. For recognition, reference is made to the current norms in force on the subject. However, enrolment remains subject to the evaluation of suitability:
  - a. administrative suitability of the course of study, by the technical-administrative structure of the competent Central Administration;
  - b. in terms of content, with respect to the skills acquired, by the Scientific Council.

#### **Art. 8 - MINIMUM AND MAXIMUM NUMBER OF ADMITS**

1. The course has a limited number of participants. The minimum number for activation is set at 16 participants and the maximum number at 24.
2. In the event that the maximum number of enrolled students, indicated in paragraph 1, is exceeded, those admitted shall be identified on the basis of the selection procedure referred to in Article 10 "Admission and selection of candidates".
3. If the minimum number of students is not reached, the Course shall not be activated.

#### **Art. 9 - OBLIGATIONS TO ATTEND AND RECOGNISE TRAINING ACTIVITIES CARRIED OUT IN PREVIOUS CAREERS**

1. Attendance at teaching activities may not be less than 80% of the total number of activities planned.

There is no recognition of training activities or professional experience and skills already acquired.

#### **Art. 10 - ADMISSION METHODS AND SELECTION OF CANDIDATES**

1. Admission to the Course is conditioned first of all by the result of the suitability assessment by the Course Scientific Board, which is based on the coherence of the candidate's academic and professional curriculum and on compliance with the requirements set out in the **Art.6**.
2. Should the number of admissible applications exceed the maximum number of places available, the selection will take place according: *to the order of arrival/registration of the applications*.
3. **Within 15 days** from the deadline for the submission of the application form, all candidates will be notified, at the e-mail address indicated in the application form, of the outcome of the checks referred to in paragraph 1 of this Article.

#### **Art. 11 - DEADLINE AND METHODS FOR SUBMITTING THE APPLICATION FOR REGISTRATION**

1. The application for enrolment must be completed and submitted, by **20/07/2024**, exclusively by means of the on-line computerised procedure, which can be found in the appropriate section of the University's website at: <http://www.unicam.it/miiscrivo/> where it will also be possible to access all the additional information and news relating to the same enrolment procedures. For information on the on-line enrolment procedure contact the secretariat Tel. 0737402070; e-mail: [maddalena.falcioni@unicam.it](mailto:maddalena.falcioni@unicam.it)

**At the end of the application process the payment of the enrolment fee is not required, which will be paid only after the communication of the activation of the course, as specified in Art. 13 below.**

2. On completion of the on-line enrolment procedure, in addition to a copy of an identity document, you will be asked to complete a declaration in lieu of certification, the form for which can be found at the following address: <http://www.unicam.it/miiscrivo/iscrizione-corsi-perfezionamento-e-aggiornamento-professionale>

#### **Art. 12 - DISMISSURE, SUSPENSION OR RETIREMENT**

1. A trainee who fails to meet the minimum attendance requirements of the Course forfeits his or her status as a trainee.
2. Failure to pay the enrolment fee within the term of thirty days from the due date shall automatically result in forfeiture of enrolment and consequent loss of the right to participate in the activities envisaged in the Course's teaching plan.
3. The student may renounce attending the lessons and activities of the course at any time by submitting a specific request. Renunciation entails the loss of the status of course participant. Upon withdrawal, the student is not entitled to a refund of any fees paid.

#### **Art. 13 - REGISTRATION FEES**

1. The enrolment fee is € 600 to be paid on completion of the admission procedure in accordance with the instructions communicated in an e-mail confirming the activation of the course, which will be sent to all candidates by the organisational secretariat.
2. Those enrolled with a disability recognised in accordance with Article 3, paragraph 1, of law no. 104 of 5 February 1992 or with a disability equal to or greater than 66% are required to pay a reduced fee of 50% (they are not exempt from paying any special fees that may be due).
3. Withdrawal from the Course after the date of the application deadline or forfeiture of enrolment according to the procedures described in this notice shall not entitle students to any reimbursement of fees paid.
4. Payment transfers made from abroad must state in the reason for payment, the name of the student and the title of the course and must be made to the following account: IBAN IT47A0306969088100000300018 BIC BCITITMM and BANCA INTESA SANPAOLO SpA must be indicated.

#### **Art. 14 - FINAL TEST AND GRANTING OF TITLE**

1. At the end of the Course, only those enrolled who are in order with the required training obligations, have attended at least **80%** of the course (of the total number of hours), have completed the on-line course evaluation questionnaire available on the University website by connecting to the link <http://survey2.cs.unicam.it/limesurvey/index.php/259481?lang=it>, will be able to take the final test, which will consist of an oral interview on the results of the activities carried out in the field.
2. There are no intermediate tests, which may contribute to the final assessment. The final assessment consists of an eligibility pass only.
3. After successfully passing the final exam and completing the on-line course evaluation questionnaire, the University of Camerino will issue a Certificate indicating the CFUs achieved.

#### **Art. 15 - PROCESSING OF PERSONAL DATA**

1. Personal data provided by candidates and applicants with the application form shall be processed in compliance with the principles set out in Legislative Decree no. 196 of 30 June 2003 “Codice in materia di protezione dei dati personali” e del GDPR (Regulation UE 2016/679).
2. The application form for enrolment in the Course implies tacit consent for the candidates' personal data and data relating to the selection tests, to be published on the University's website and to be processed solely for the purposes of statistics and analysis of the effectiveness of the training processes.

#### **Art. 16 - PROCEDURE RESPONSIBLE**

1. Pursuant to the provisions of Article 5 of Law no. 241 of 7 August 1990, the person in charge for the procedure of this call for applications is Dr. Anna Maria Santroni (email: [annamaria.santroni@unicam.it](mailto:annamaria.santroni@unicam.it), tel.: 0737402849) School of Science and Technology - Education Manager.

**Il Direttore Generale**