



## Università degli Studi di Cagliari

DIREZIONE PER LA DIDATTICA E L'ORIENTAMENTO

SETTORE DOTTORATI E MASTER

Dirigente Giuseppa Locci

Funzionario responsabile Monica Melis

2<sup>ND</sup> LEVEL PROFESSIONAL MASTER'S PROGRAMME  
IN SPACE OPTICS AND REMOTE SENSING  
A.Y. 2020/2021

*The official announcement is in Italian only*  
(Rector's Decree no. 505 of June 3<sup>rd</sup> 2021)

### ART. 1 - PROFESSIONAL MASTER'S PROGRAMME IN SPACE OPTICAL DESIGN AND REMOTE SENSING

For the academic year 2020/2021 the University of Cagliari (UniCa) announces a public selection for the admission to the 2<sup>nd</sup> level Professional Master's Programme in **SPACE OPTICS AND REMOTE SENSING** (Duration: 8 months; Credits: 60), in cooperation with European Space Agency (ESA) and Agenzia Spaziale Italiana (ASI).

### ART. 2 - DEPARTMENT IN CHARGE OF THE PROGRAMME

The Department in charge of the Programme is the Department of Electrical and Electronic Engineering.

### ART. 3 - EDUCATIONAL OBJECTIVES

The 2<sup>nd</sup> level Professional Master's Programme in Space Optics and Remote Sensing aims at training professionals with skills usually divided between the fields of Physics and Engineering. In particular, the trained student will be enabled to design optical devices and apparatuses, up to the industrial prototyping level, starting from the fundamentals of Optics, of Photonics, of Material Science, of Electronics and of the manufacturing technologies.

The training is developed in close cooperation with the European Space Agency ESA, which, since 2016, has established in Sardinia the venue for its international schools on that topics. This implies on one side the direct involvement of ESA in the design itself of the Programme, in teaching, in student tutoring and in providing stages, and on the other hand the attraction towards the same activities of selected important Sardinian and European companies, operating in the field of optical instruments for aerospace and remote sensing.

This Programme is configured as an international Higher Education Course, and aims at attracting students who, for the most part, are already active in European companies and research centers.

The proposed curriculum follows the objectives below:

Knowledge and understanding of:

- Fundamentals of Optics and Optical Design
- Optical Devices and Apparatuses
- Remote Sensing and its applications.

Applying knowledge and understanding of:

- Design and production
- Measurement protocols
- Reliability of optical devices and apparatuses.

Making judgements in terms of:

- ability to decide about design and process methods and tools that are most suitable for the targeted results for both their own job and for guiding the technical staff.

Communication skills:

Settore dottorati e master - via S. Giorgio 12, 09124 CAGLIARI

Tel. 070675.6494, 070675.6492, 070675.6459, 070675.8446 - mail: dottoratiemaster@unica.it

<https://unica.it/dottoratoricerca> - [https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page)



- Intended as the ability to cooperate to the design of the activity and to transfer the technical advice to other people, with clarity and competence, in order to get the targeted results

Lifelong learning skills:

- Intended as the ability to search and assimilate the information required for the continuous updating and improvement of the activity.

#### ART. 4 - ORGANIZATION OF THE PROGRAMME

The training programme is divided into:

- 392 hours of classroom lessons in English (49 credits);
- 250 hours of apprenticeship at ASI, INAF-OAC, as well as Italian and foreign companies, like Altran, OHB, Cosine, Leonardo, REOSC, Amos, Vito, Filaroptomaterials (10 credits);
- 8 hours for the final examination (1 credit);
- 850 hours of self-study.

#### EDUCATIONAL PLAN

SUBJECTS	CREDITS	HOURS	DISCIPLINARY SCIENTIFIC SECTOR
<b>FUNDAMENTALS</b>			
FUNDAMENTAL OF IMAGING OPTICS	2	16	FIS/01
ELETTROMAGNETIC OPTICS	2	16	ING-INF/02
FUNDAMENTALS OF SCALAR DIFFRACTION THEORY	1	8	ING-INF/01
<b>OPTICAL DESIGN</b>			
OPTICAL CAD INSTRUMENT MODELLING AND ANALYSIS I	1,5	12	ING-INF/02
OPTICAL CAD INSTRUMENT MODELLING AND ANALYSIS II	1	8	ING-INF/02
LENS DESIGN & OPTICAL SYSTEMS	3	24	FIS/01
RADIOMETRIC MODELLING	2,5	20	ING-INF/02
OPTO-MECHANICAL DESIGN	2,5	20	FIS/01
THERMAL ANALYSIS AND DESIGN	2	16	FIS/01
COATINGS AND FILTERS DESIGN	1,5	12	ING-INF/01
STRAY LIGHT ANALYSIS AND MINIMIZATION	1,5	12	FIS/01
<b>OPTOELECTRONICS</b>			
ADAPTIVE OPTICS	2	16	FIS/05
PHOTODETECTORS	1	8	ING-INF/01
BASICS OF FRONT-END ELECTRONICS	1	8	ING-INF/01
FUNDAMENTALS OF LASERS	1	8	FIS/01
LIDAR	1	8	ING-INF/02
<b>MANUFACTURING AND ASSEMBLY</b>			
LENS AND MIRROR MANUFACTURING	2	16	FIS/01
OPTICS ALIGNMENT AND MOUNTING	1	8	FIS/01
VERIFICATION PROCESS IN SPACE AND TESTING	3	24	ING-INF/01
HYPERSPETRAL OPTICAL INSTRUMENTS AND CALIBRATION	2	16	FIS/01
CLEANLINESS AND CONTAMINATION CONTROL (FOR SPACE APPLICATIONS)	0,5	4	ING-INF/01



RELIABILITY	1	8	ING-INF/01
<b>HANDS-ON ACTIVITIES</b>			
HANDS-ON SESSION I SPECTROMETER DESIGN	1	8	FIS/01
HANDS-ON SESSION II	1	8	FIS/01
<b>REMOTE SENSING</b>			
SATELLITES, DRONES AND OPTICAL INSTRUMENTS FOR EARTH OBSERVATION	2	16	ING-INF/02
SATELLITES AND OPTICAL INSTRUMENTS FOR ASTRONOMY	2	16	FIS/05
FUNDAMENTALS OF IMAGE PROCESSING FOR REMOTE SENSING	2	16	ING-INF/03
FUNDAMENTALS OF GEOGRAPHIC INFORMATION SCIENCE	2	16	ICAR/20
NUMERICAL METHODS FOR INVERSE PROBLEMS	1	8	MAT/08
REMOTE SENSING FOR LAND MANAGEMENT	1	8	ICAR/20
STARTUPS, SPINOFFS AND INCUBATORS	1	8	SECS-P/10
<b>CLASSROOM LESSONS</b>	<b>49</b>	<b>392</b>	
<b>APPRENTISHIP</b>	<b>10</b>	<b>250</b>	
<b>FINAL EXAMINATION</b>	<b>1</b>	<b>8</b>	
<b>SELF-STUDY</b>		<b>850</b>	
<b>TOTAL</b>	<b>60</b>	<b>1500</b>	

#### ART. 5 - AVAILABLE POSITIONS

The programme is open to a maximum of 20 students.

The programme will start only if at least 15 students are admitted.

#### ART. 6 - ELIGIBILITY REQUIREMENTS FOR SELECTION

The Admission to the Programme is open to graduates, regardless of nationality, holding (ref. to the [Italian university system](#)):

- a degree awarded according to the Italian Ministerial Decree no. 270/2004 (*laurea magistrale*) or
- a degree awarded according to the Italian Ministerial Decree no. 509/1999 (*laurea specialistica*) or
- a degree awarded according to the regulations established before the Italian Ministerial Decree no. 509/1999 (*laurea*)

in Physics, Electronic Engineering, Electrical Engineering, Telecommunications Engineering, Aerospace Engineering, Mechanical Engineering, Mathematics.

The admission is also open to candidates holding an academic qualification (2<sup>nd</sup> cycle university degree: Master-level) issued by a foreign university recognized as equivalent.

The foreign university degree must be evaluated suitable and equivalent, in terms of duration, level of degree and fields of study to the degree listed above.

The Examination Board will deliberate on equivalence, in compliance with the current legislation in Italy and in the Country where it was issued, and with international treaties or agreements concerning the recognition of qualifications for further studies for the sole purpose of admission to the 2<sup>nd</sup> level Professional Master's Programme.

Admission is also open to students who are going to graduate not later than the selection date. These candidates will be admitted with reservation and will submit a certificate (only for degrees obtained



abroad) or a self-declaration of their graduation together with a copy of a valid ID. The certificate/self-declaration can be sent to [dottoratiemaster@unica.it](mailto:dottoratiemaster@unica.it), or delivered by hand.

If the applicant is evaluated positively to be admitted to the 2<sup>nd</sup> level Professional Master's Programme but he/she will not be awarded the necessary degree by the above-mentioned date, he/she will lose that suitable position.

#### ART. 7 - HOW TO APPLY

**To participate in the selection, candidates can apply through the online procedure** available on the webpage 'Servizi Online' of UniCa website at <https://unica.esse3.cineca.it/Home.do> **from the date of the publication of the present Notice of Competition to 30<sup>th</sup> July 2021 at 12:00 p.m. (local time).**

In the event that, close to the deadline, the number of candidates will be lower than 15, the deadline will be postponed automatically. The new deadline will be published on UniCa website at: [https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page) (News and Deadlines).

Guidelines on how to apply are available at [https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page). At the following link, you will find a list of computers available for applicants: [https://www.unica.it/unica/it/ateneo\\_s03\\_ss04.page](https://www.unica.it/unica/it/ateneo_s03_ss04.page).

According to Italian Presidential Decree no. 445/2000, art. 46, applicants must provide the following information for the online procedure:

- a) name and surname, Italian tax identification code (*codice fiscale*) – for candidates applying for the first time, place and date of birth, residence address, telephone number, e-mail and current address where correspondence related to the selection can be sent;
- b) citizenship;
- c) exact name of the professional master's programme selected;
- d) name of University degree, date of graduation, final grade, name of the issuing University;
- e) to possess the eligibility requirements reported in the call for applications and to be aware of the text of the call;
- f) to be aware of being subject to penalty if any information provided is later found to be untrue according to Italian Presidential Decree no. 445/2000, art. 76;
- g) to have read the [notice](#) no. 2016/679 issued according to EU Regulations and the Italian Law in force, about the protection of people regarding the treatment of personal data, as well as on the free circulation of data;
- h) to give the consent to communicate and disseminate his/her own personal data for the purposes of the present Professional Master's Call.

According to the art. 20 of the Italian Law no. 104/92, applicants with disabilities must specify in their application the required assistance for their needs, including possible requests for additional time for the completion of the tests, by sending an e-mail to the PhD and Professional Master Office, which could involve SIA - UniCa Office for Disability.

The sensitive data reported for this purpose will be kept secret and processed in accordance with the provisions currently in force.

#### **ITALIAN APPLICANTS HOLDING A UNIVERSITY DEGREE ISSUED IN ITALY OR ABROAD AND FOREIGN APPLICANTS HOLDING AN ITALIAN UNIVERSITY DEGREE**

Italian and foreign applicants holding a degree issued in Italy, at the end of the online compiling procedure, will have to upload the following documents in PDF format (each file not exceeding 1 MB):

- "Curriculum Vitae" (Qualifications to be evaluated and Curriculum Vitae);



- “*Dichiarazione sostitutiva di certificazioni del/i titolo/i di accesso con esami e voti*” (Replacement declaration of degree(s) listing exams and marks) - form available at: [https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page)); it can be substituted with a self-declaration downloadable at the webpage of the University issuing the degree (note that CERTIFICATES RELATED TO THE DEGREE CANNOT BE ATTACHED; YOU CAN ONLY ATTACH SELF-DECLARATIONS OR REPLACEMENT (SELF)DECLARATIONS FOR CERTIFICATIONS). Applicants holding a degree issued by the University of Cagliari can download their replacement declaration for certifications from their personal webpage, in the reserved area of the online Students’ services <https://unica.esse3.cineca.it/Home.do> : “*Autodichiarazione Conseguimento Titolo con Esami*”;
- two-sided coloured copy of a valid ID, with a clear photo;
- other documents to be evaluated.

According to the art. 40 of the Italian Presidential Decree no. 445/2000, public bodies can no longer receive or request from private citizens certificates issued by other public institutions. Therefore, all qualifications must be provided only through a self-declaration of certifications or a self-declaration affidavit, according to articles 46 and 47 of the Italian Presidential Decree no. 445/2000. Publications and other qualifications issued by private bodies, which cannot be self-declared, must be provided in copy together with a self-declaration affidavit attesting their conformity to the original version, according to the articles 19 and 19-bis of the Italian Presidential Decree no. 445/2000.

Both the form and the documents attached will be acquired by the University at the closing of the online enrolment procedure.

**DOCUMENTS CAN BE UPLOADED UNTIL 30<sup>th</sup> JULY 2021, 12 P.M. (LOCAL TIME).**

**FOREIGN APPLICANTS HOLDING A UNIVERSITY DEGREE ISSUED ABROAD**

Foreign applicants holding a university degree issued abroad must fill in the online application and upload the following documents in PDF format (each file not exceeding 1 MB):

- certificate attesting the award of a 2<sup>nd</sup> level foreign degree needed to access a 2<sup>nd</sup> level Professional Master’s Programme, including exams and marks, with a translation in Italian or English;
- certificate attesting the award of a 1<sup>st</sup> level foreign degree, including exams and marks, with a translation in Italian or English;
- signed Curriculum Vitae preferably in EU format, in English or Italian;
- additional qualifications, certifications, publications and work experiences, detailed in English or in Italian;
- two-sided coloured copy of a valid ID, with a clear photo.

If the foreign degree has already been declared equivalent to the Italian degree reported in art. 2 by another Italian University, the candidate will report the reference of the University and the number of Rector’s decree of the declaration of equivalence.

Otherwise, if the foreign degree has not been considered equivalent, the Examination Board will deliberate on its equivalence, in compliance with the current legislation in Italy and in the Country where it was issued and with the international treaties or agreements concerning the recognition of qualifications for further studies, for the sole purpose of admission to the Professional Master’s programme.

**EU citizens** can submit their replacement declarations according to art. 46, 47, 19 and 19is of the Italian Presidential Decree no. 445/2000.

**Non-EU citizens, legally resident in Italy**, can provide the above-mentioned replacement declarations, only with reference to situations, personal qualities and facts which can be certified or attested by Italian public bodies.



Both the form and all the documents attached will be acquired by the University at the closing of the online enrolment procedure.

**DOCUMENTS CAN BE UPLOADED UNTIL 30<sup>TH</sup> JULY 2021, 12 P.M. (LOCAL TIME).**

**NO COMMUNICATION WILL BE SENT TO APPLICANTS ADMITTED TO SELECTION.**

All applicants are admitted conditionally to the selection, and can be excluded in any moment, also after the admission tests, for lack of the requirements of this call.

The University will check the truthfulness of candidates' self-declarations/affidavits.

Without prejudice to criminal sanctions under the Penal Code and the related special laws (articles 75 and 76 of Italian Presidential Decree no. 445/2000), if the University administrative offices discover that the information declared by the applicant is mendacious or false, he/she will not be able to enrol.

Applicants should communicate any change of residence or other address used to apply.

The University administration declines all responsibilities in the case of loss of documents, caused by inaccurate information regarding the applicant's permanent or habitual address, the non-communication of a change of address, or postal errors which are not attributable to the University Administration's offices.

**ART. 8 - ADMISSION PROCEDURE, COMMITTEE AND SELECTION**

An Examination Board will be appointed by the Master's Council to select the candidates on the assessment of their Curriculum Vitae, qualifications, scientific publications and professional experience in the fields taught in the Master's Programme.

Evaluation criteria are established by the Examination Board, having a total of 50 points, distributed as follows

FINAL GRADE (DEGREE)	UP TO A MAXIMUM OF 10 POINTS
	- 110/110 CUM LAUDE 10 POINTS
	- 110/110 8 POINTS
	- FROM 109 TO 106/110 6 POINTS
	- FROM 105 TO 100 4 POINTS
	- FROM 99 TO 95 2 POINTS
	- LESS THAN 94 0 POINTS
CURRICULUM VITAE	UP TO A MAXIMUM OF 40 POINTS
PROFESSIONAL EXPERIENCES	- UP TO A MAXIMUM OF 20 POINTS
PHD. DEGREE OR CERTIFIED SCIENTIFIC ACTIVITY	- UP TO A MAXIMUM OF 20 POINTS DEFINED AS FOLLOWS: <ul style="list-style-type: none"> <li>▪ PHD DEGREE – OR EQUIVALENT – IN PHYSICS, ELECTRONIC ENGINEERING, ELECTRICAL ENGINEERING, TELECOMMUNICATIONS ENGINEERING, AEROSPACE ENGINEERING, MECHANICAL ENGINEERING, MATHEMATICS: 20 POINTS</li> <li>▪ EACH SCIENTIFIC PAPER ON THE TOPICS OF THE PROFESSIONAL MASTER'S PROGRAMME, PUBLISHED ON INTERNATIONAL PEER-REVIEWED JOURNALS: 4 POINTS</li> <li>▪ EACH SCIENTIFIC PAPER ON THE TOPICS OF THE PROFESSIONAL MASTER'S PROGRAMME, PUBLISHED ON INTERNATIONAL CONFERENCE PROCEEDINGS:</li> </ul>



2 POINTS

**DATES AND LOCATIONS OF SELECTIONS AND ANY VARIATION WILL BE PUBLISHED ON THE WEBPAGE**  
[https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page) (*Avvisi e scadenze*).

#### **ART. 9 - RANKING LIST**

The Examination Board will draw up the ranking list, on the basis of the applicants' comparative evaluation, in accordance with the criteria set out for the admission to the 2<sup>nd</sup> level Professional Master's Programme, taking into consideration the total scores of each candidate. In case of candidates obtaining the same ranking position, the younger will prevail.

The ranking lists will be published at: [https://www.unica.it/unica/it/avvisi\\_e\\_scadenze.page](https://www.unica.it/unica/it/avvisi_e_scadenze.page)

**NO COMMUNICATION WILL BE SENT TO SELECTED CANDIDATES.**

#### **ART. 10 - INCOMPATIBILITY**

The enrolment in a 2<sup>nd</sup> level Professional Master's Programme is incompatible with the enrolment in other undergraduate, PhD, specialization courses, professional master's or non-medical specialization schools at the University of Cagliari or other Italian and foreign universities.

#### **ART. 11 - ENROLMENT**

In order to enrol, successful candidates must first fill in the enrolment form available at the website <https://unica.esse3.cineca.it/Home.do>, uploading a recent passport-size photo in digital format (bitmap or jpeg) and a copy of a valid ID, **within five days starting from the day of the ranking list publication**.

To complete the enrolment, candidates must pay a revenue tax of EUR 16.00 and the tuition fee, through PagoPA system within 4 days from the date of your application (ref. to the following link for further information about how to pay the stamp duty: [https://www.unica.it/unica/it/studenti\\_s02\\_ss01.page](https://www.unica.it/unica/it/studenti_s02_ss01.page) (*Istruzioni pagamento*)).

The revenue tax and the tuition fee can be paid from the date of submission of your enrolment application.

#### **ENROLMENT OF CANDIDATES HOLDING A FOREIGN ACADEMIC DEGREE**

Applicants holding a foreign academic degree, well-placed on the ranking list, at their arrival in Cagliari, must submit to *Settore Dottorati e Master - Segreteria Post Lauream* the following documents:

1. original or certified copy of your 2<sup>nd</sup> level degree;
2. original legalized translation into Italian of your degree;
3. original statement of value (*Dichiarazione di valore in loco*) of the foreign degree issued by the competent Italian diplomatic representative in the Country where the academic qualification has been issued (<http://www.miur.gov.it/web/guest/dichiarazione-di-valore> - <http://www.cimea.it/it/servizi/procedure-di-riconoscimento-dei-titoli/glossario.aspx>), or a Diploma Supplement in original;
4. original or certified copy of your 1<sup>st</sup> level degree.

**THE DOCUMENTS ABOVE MUST BE PREVIOUSLY SENT BY E-MAIL TO [dottoratiemaster@unica.it](mailto:dottoratiemaster@unica.it) WITHIN FOUR DAYS AFTER THE SUBMISSION OF YOUR ENROLMENT APPLICATION.**

If unable to respect the deadline mentioned above, the candidates holding a degree issued abroad should deliver the requested documents within a new deadline set in accordance with the PhD and Professional Master office. NO EXTENSION TO THIS SECOND DEADLINE WILL BE ALLOWED.

Settore dottorati e master - via S. Giorgio 12, 09124 CAGLIARI  
 Tel. +39 070675.6494, + 39 070675.6492, + 39 070675.6459, + 39 070675.8446  
 mail: [dottoratiemaster@unica.it](mailto:dottoratiemaster@unica.it)  
<https://unica.it/dottoratiicerca> - [https://www.unica.it/unica/it/studenti\\_s01\\_ss06.page](https://www.unica.it/unica/it/studenti_s01_ss06.page)



Foreign PhD candidates are required to comply with the “[Procedures for entry, residency and enrolment of international students and the respective recognition of qualifications, for higher education courses in Italy for the academic year 2021/2022](https://www.studiare-in-italia.it/studentistranieri/) (<https://www.studiare-in-italia.it/studentistranieri/>; <https://www.university.it/index.php/public/percorsi>).

**ENTRY VISA AND RESIDING PROCEDURES FOR FOREIGN SUCCESSFUL CANDIDATES, AS WELL AS SUPPORTING MEASURES DURING THEIR STAY,** WILL BE MANAGED BY THE OFFICE FOR INTERNATIONAL RESEARCHERS’ COOPERATION AND MOBILITY PROGRAMMES OF THE UNIVERSITY OF CAGLIARI. APPLICANTS SHOULD REFER TO: Tiziana Cubeddu, Head of the Office, tel. +390706758442, email [euraxess@unica.it](mailto:euraxess@unica.it) - [tcubeddu@unica.it](mailto:tcubeddu@unica.it); webpage [https://www.unica.it/unica/it/ateneo\\_s07\\_ss05\\_sss02.page](https://www.unica.it/unica/it/ateneo_s07_ss05_sss02.page).

The enrolment procedure will be completed when the PhD and Professional Master office of the University of Cagliari will have verified the completeness and accuracy of the application and the required documents, as well as the payment receipt of EUR 16.00 and the first rate of the tuition fee, within the deadline above.

Successful candidates not complying with the requirements for their enrolment, will automatically be considered as withdrawn and the next candidate(s) in the ranking list will take their place; the University office will inform by e-mail the next ranked candidates and invite them to enrol within a deadline specified in the email.

**ART. 12 - TUITION FEE**

The tuition fee - to be paid at the moment of the enrolment, following the instructions available at [https://www.unica.it/unica/en/studenti\\_s02\\_ss01.page](https://www.unica.it/unica/en/studenti_s02_ss01.page) - is EUR 6,000.00 + EUR 16.00 (revenue tax).

1 <sup>st</sup> instalment	EUR 2,000.00 + € 16,00 (revenue tax) by the time of enrolment
2 <sup>nd</sup> instalment	EUR 2,000.00 within 4 <sup>th</sup> October 2021
3 <sup>rd</sup> instalment	EUR 2,000.00 within 28 <sup>th</sup> December 2021

The payment in installments of the enrollment fee constitutes a benefit for the student, who undertakes to pay the full amount of EUR 6,000.00 to the University of Cagliari even in the event of renunciation or non-completion of the course.

**ART. 13 - SCHOLARSHIPS**

For the Professional Master’s Programme in **SPACE OPTICS AND REMOTE SENSING** no. 2 scholarships funded by Agenzia Spaziale Italiana (ASI) are available.

Scholarships will be awarded on the basis of the ranking lists drawn up by the Examination Board, to candidates not benefiting from other scholarships.

**ART. 14 - MANDATORY ATTENDANCE AND FINAL EXAMINATION**

The Programme implies that candidates attend all courses as full-time students, for at least the 80% of the scheduled hours of the educational activities. At the end of the Programme, each candidate will defend a Master’s thesis.

**ART. 15 - FINAL DEGREE**

The Rector of the University of Cagliari will award the 2<sup>nd</sup> level Professional Master’s in **SPACE OPTICS AND REMOTE SENSING** to participants completing the activities scheduled in the programme and a final examination.

**ART. 16 - MASTER'S AUTHORITIES AND ORGANIZATION OF ACTIVITIES**

The Director and the Organizational Technical and Scientific Committee are Master's authorities. The Organizational Technical and Scientific Committee, chaired by the Director, coordinates the educational activities. The Director represents the educational structure, convenes the Organizational Technical and Scientific Committee and control the proper functioning of the course, takes the management responsibility, and, at its conclusion, submits a report on the activities to the Director of the Department.

**ART. 17 - MEMBERS OF THE AUTHORITIES**

The Director of the Master's Programme is Dr. Giovanna Mura.

The Organizational Technical and Scientific Committee includes the Director of the Professional Master's Programme, and the following members: Prof. Giuseppe Mazzarella, Prof. Daniele Giusto and Prof. Massimo Vanzi (UniCa), Dr. Alessandra Ciapponi, Dr. Paolo Corradi and Dr. Luca Maresi (ESA).

**ART. 18 - PERSONAL DATA TREATMENT**

The University of Cagliari is the controller for the personal data treatment, according to the EU Regulations 2016/679 about the protection of individuals with regard to the treatment of personal data, as well as the free circulation of these data and the and of the Code regarding the protection of personal data - Legislative Decree n. 196/2003, respecting human dignity, fundamental rights and freedoms of the person. The notice on data treatment for the category 'citizens' is available at [https://www.unica.it/unica/it/utility\\_privacy.page](https://www.unica.it/unica/it/utility_privacy.page).

**ART. 19 - FURTHER INFORMATION**

For any information on the organization of the Programme, candidates can visit the website <https://www.masterspaceoptics.eu/> or send an email to [masterspaceoptics@unica.it](mailto:masterspaceoptics@unica.it).

**ART. 20 - PERSON RESPONSIBLE FOR ADMINISTRATIVE PROCEDURES**

According to art. 5 of the Italian Law no. 241, issued on 7<sup>th</sup> August 1990, the responsible person for the administrative procedures is Ms. Monica Melis, Head of the PhD and Professional Master Office, tel. +390706756494, e-mail [dottoratiemaster@unica.it](mailto:dottoratiemaster@unica.it).

**ART. 21 - PUBLICITY**

The present announcement will be published on the website of the University of Cagliari.

The Rector  
Francesco Mola  
*Digital signature*

Approved by the Director General