



MINISTERUL EDUCAȚIEI

UNIVERSITATEA MARITIMĂ DIN CONSTANȚA

CONSTANȚA, str. Mircea cel Bătrân, nr. 104, ROMÂNIA, 900663

Tel: +40 241 664740, Fax: +40 241 617260,

E-mail: [info@cmu-edu.eu](mailto:info@cmu-edu.eu) Web: [www.cmu-edu.eu](http://www.cmu-edu.eu)

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**Information regarding the organization of the competition for the position of  
University Professor  
Department of Navigation, Position 26  
Faculty of Navigation and Naval Transport  
Constanta Maritime University**

**a.) Description of position**

The position occupies the 25th position in the position of the Department of Navigation, within the Faculty of Navigation and Naval Transport of the Maritime University of Constanta.

*Academic Subjects in the curricula:*

- Risk Management
- Human factor in maritime cyber security
- Bridge Team Management
- Bridge Team Management

**b) Tasks / Activities associated with the role**

*Teaching Load: Related duties /activities*

Nr.	Type of Activity	Nr.of conventional hours
1.	Teaching Activities	6 h /week
2.	Supervision of Seminar, Labs, and Projects	5 h /week
3.	Guidance for the elaboration of the Bachelor thesis	4 h /week
4.	Guidance for the elaboration of the Master thesis	2 h /week
5.	Guidance for the elaboration of PhD thesis	—
6.	Research and Scholarly Activities enlisted in the Curricula	2 h /week
7.	Management of educational-artistic or sports activities	—
8.	Assessment Activities	2 h /week
9.	Tutoring, counseling, guidance of students' scientific groups, of students within the European Credit Transfer and Accumulation System	2 h/week
10.	Participation in councils and commissions in the interest of education, including admission and completion of studies committees	2 h/week
11.	Self-Study	5 h /week



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### Research Load

Nr.	Type of Activity	Nr. ore conventional e
1.	Research Activities	10 h /week

### c.) Minimum wage for classification Professor

No.	Position*)	Study level	Years of academic experience	Base wase - lei -	Wage Grid for teaching didactic personnel 01.06.2023				
					Gradation 0	Gradation 1	Gradation 2	Gradation 3	Gradation 4
1	Professor	S	peste 25 de ani	14,038	15,091	15,846	16,639	17,055	17,482
			20-25 de ani	12,115	13,024	13,676	12,357	14,719	15,087
			15-20 de ani	10,175	10,939	11,486	10,135	12,363	12,673
			10-15 ani	8,650	9,299	9,764	8,594	10,510	10,773
			5-10 ani	8,300	8,923	9,370	8,209	10,085	10,338

### d.) Calendar of the job application contest

- The Application period will run 45 days after the Announcement publication date in the Official Monitor No. 395/28.11.2024, Part III (November 28<sup>th</sup> 2024 to January 13<sup>th</sup> 2025)
- The contest takes place in no more than 45 days after the application period. (from January 29<sup>th</sup> 2024 to February 2<sup>nd</sup> 2025).
- The Higher Education Institution announces on its website the contest date, time and place at least **5 working days** before the test

### e). Detailed syllabus and tutorial

#### Risk Management

Nr.	Content
1	Hazard classification and assessment
2	Qualitative Risk Assessment
3	Hazard identification
4	HAZOP Method
5	Fault Tree Analysis (FTA)
6	Event Tree Analysis
7	Risk predictions
8	Average fatal risk
9	Risk assessment and management
10	Environmental monitoring Environmental impact and decommissioning Environmental management - Oil sludge, drilling solid waste, production waste
11	Accidents modeling
12	Safety measures in design and process operations
13	Marine systems risk modeling



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## References

No.	Title
1	<i>Managing Risk in Shipping</i> , The Nautical Institute, 1999
2	<i>The Management of Safety in Shipping</i> , The Nautical Institute, 1999
3	<i>Risk Management System – Risk Assessment Framework and Techniques</i> , DaGoB Project Report, 2004
4	<i>Management of Health and Safety at Work – Approved Code of Practice</i> , UK Health and Safety Commission publication, 1999
5	<i>The International Management Code for the Safe Operation of Ships and for Pollution Prevention – The ISM Code</i> , IMO, 2002
6	<i>The International Convention for the Safety of Life at Sea, 1974 – SOLAS, Chapter V, Reg. 20</i> , 2004
7	International Maritime Organisation, <i>Interim Guidelines for the Application of Formal Safety Assessment (FSA) to the IMO Rule Making Process</i> , MSC/Circ. 829 and MEPC/Circ. 335, IMO, 1997

## Human factor in maritime cyber security

Nr.	Content
1	ISO/IEC 27001 Information Security Management Standard
2	Europea NIS Directive
3	European General Data Protection Regulation (GDPR)
4	National Cyber Security Centre - GCHQ Note de Training Acreditat dr. John McCarthy

## References

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1	ISO/IEC 27001 Information Security Management Standard
2	Europea NIS Directive
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## Bridge Team Management

Nr.	Content
1	Principles to be observed during the watch
2	Maintaining a watch in port. Ensuring an efficient watch in port under normal circumstances
3	Navigation bridge resource management Basic principles of navigation bridge resource management
4	Establishment of the arrangements for the performance of the watch service and IMO reference procedures Principles to be followed when performing the navigational watchkeeping Have a thorough knowledge of the content, application and purpose of the principles to be followed when performing navigational chart service
5	Deck equipment and systems. Voyage data recorder (VDR) and simplified voyage data recorder (S-VDR)

## References



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No.	Title
1	Alexander, S., Navigation Guide, Glasgow, Brown, Son & Ferguson, 1991
2	Bârsan, E., Navigație Maritimă Modernă, Editura ExPonto, 2005
3	Bârsan, E., Simulatoare Complexe pentru Navigație, Editura Muntenia, 2005
4	Bole, A., Dineley, W., The navigation control manual, London, Butterworth-Heinemann Ltd., 1992
5	Cahill, R.A., Collisions and their Causes, London, Fairplay Publications, 1983
6	Cahill, R.A., Strandings and their Causes, London, Fairplay Publications, 1985
7	Coast Guard Canada, Safety Study of the Operational Relationship between Ship Masters/ Watchkeeping Officers and Marine Pilots, 2001
8	Frost, A., Practical Navigation for Second Mates, 6th ed. 1985, Glasgow, Brown, Son & Ferguson
9	Frost, A., The Principles and Practice of Navigation, 3rd ed. Glasgow, Brown, Son & Ferguson, 1988
10	International Chamber of Shipping, Bridge Procedure Guide, 3rd ed. 1988
11	Swift, A.J., Bridge Team Management – A Practical Guide, London, Nautical Institute, 2004

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#### f.) Description of the competition procedure

In order to register for the competition for a teaching and research position, the candidate draws up a file containing, at least, the following documents:

##### I. DOCUMENT MAP (file cover Annex 1)

1. Application to take part in the competition, registered by the closing date, signed and dated by the candidate, including a sworn statement (in original) concerning the accuracy of the information provided in the application file (in original) -Annex 2. The application is accompanied by the consent to the processing of personal data - Annex 2.1

2. A proposal for the development of the candidate's academic career in terms of both teaching and scientific research activities (maximum 10 pages). This document is one of the main selection criteria;

3. Curriculum vitae of the candidate (in original, signed on each page). and in ELECTRONIC PDF format, WITHOUT SIGN- under Personal data to include name, surname and e-mail address. Annex 3 (Europass model) Curriculum vitae includes: a) information on studies and diplomas obtained; b) information on professional experience and relevant jobs; c) information on research and development projects that the applicant has led as project director or has been a member of, indicating for each source of funding, the volume of funding and the main publications or patents resulting; d) information on awards or other recognition of the applicant's scientific work.

4. Verification sheet on the fulfillment of the specific standards of the post, completed by the candidate (in original, signed on each page). The application form in ELECTRONIC PDF format, WITHOUT SIGNATURE. The candidate assumes responsibility that the letter and electronic formats contain the same information- Annex 4.1, 4.2. For the posts of lecturer and university professor the completed form according to the specific requirements of OMENCȘ 6129 of 2016 on the minimum standards for conferring teaching titles

5. Candidate's list of papers (in original, signed on each page) and in ELECTRONIC PDF format, WITHOUT MARKS. The applicant assumes responsibility that the letter and electronic formats contain the same information - Annex 5. The candidate's complete list of papers will be structured as follows: (a) a list of the maximum of 10 works considered by the candidate to be the most relevant to his/her own professional achievements in the field of the disciplines of the post for which he/she is applying and which are included in electronic format in the file and may be found in the other categories of works; (b) doctoral thesis(s); (c) patents and other industrial property titles; (d) books and chapters in books; (e) full-length articles/studies published in journals of the main international scientific journals; (f) full-length publications in proceedings of the main international conferences of specialized journals; (g) other scientific papers and contributions

6. Documents relating to the possession of the doctor's degree: a certified copy of the original doctor's degree or, if the original doctor's degree is not recognized in Romania, the certificate of its recognition or equivalence, in certified copy

7. The abstract of the doctoral thesis - in Romanian and in an international language

8. Simple copies of other diplomas certifying the candidate's studies (baccalaureate, bachelor's, master's, master's / advanced studies and their transcripts / supplements) or, if the original diplomas are not recognized in Romania, the certificates of recognition or equivalence; copies of other diplomas certifying the candidate's studies. Copies must be signed by the candidate to certify that they are 'true copies'



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9. Copy of the identity card or, if the candidate does not have an identity card, of the passport or another identity document issued for an equivalent purpose to the identity card or passport.

10 If the candidate has changed his/her name, copy of the document proving the change of name - marriage certificate or proof of change of name.

11 Affidavit of the candidate indicating the situations of incompatibility provided for by the Law on Higher Education no. 199/2023, as amended, in which he/she would be in if he/she won the competition or the absence of such situations of incompatibility; [Annex 6];

12 For all teaching positions: -copy of the original employment record or certificate of length of service (only in the case of persons who do not have an individual employment contract with the Maritime University of Constanta); -certificate of criminal record -certificate of behavioral integrity regulated by Law no. 118/2019 on the National Automated Register on persons who have committed sexual crimes, crimes of exploitation of persons or on minors, as well as for the completion of Law no. 76/2008 on the organization and functioning of the National System of Judicial Genetic Data, as amended; -medical certificate-occupational medicine issued on a specific form adopted by joint order of the Minister of Education and Minister of Health published in M.O.R.286 -psychiatric opinion and medical letter for the exercise of the teaching profession, issued in accordance with the provisions of the joint order of the Minister of Education and the Minister of Health, published in M.O.R.286/02/04/2024 (Annex 1); - psychiatric opinion and medical letter for the exercise of the teaching profession, issued in accordance with the provisions of the joint order of the Minister of Education and the Minister of Health, published in M.O.R.286/02/04/2024 (Annexes 2, 3). All copies shall be certified "true copies"

13 List of referees with their contact details - only in the case of the competition for the posts of university lecturer, scientific researcher grade II, university professor, scientific researcher grade I and at least 3 letters of recommendation.

14 Only for candidates for the posts of university professor: copy of the habilitation certificate or copy of the ministerial order conferring the quality of doctoral supervisor.

#### II WORK MAP (file cover Annex 1)

A maximum of 10 publications, patents or other works of the candidate, in printed and electronic format, selected by the candidate and considered to be the most relevant to his/her professional achievements; if one or more publications are not available in electronic format, the candidate will submit with the application a copy of the book/monograph of which he/she is the author, the website of the conference where the paper was presented, ISSN, Proceeding etc, or scanned copies in pdf format;

*The candidate's professional skills are evaluated by the competition committee based on the competition file and, additionally, through one or more competition tests, including lectures, courses or the like, according to its own methodology. For all positions for an indefinite period, at least one competition test is mandatory represented by a public lecture of at least 45 minutes in which the candidate presents the most significant previous professional results and the university career development plan. This test must also include a question session from the committee and the public. The University announces on the website of the competition the day, time and place of this test, at least 5 working days before the test.*

*Stages of the competition:*



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Stage I - the assessment of the candidate's application file (evaluation of the documents in accordance with Methodology for occupying vacant didactic and research positions.

Stage II - Holding a public lecture of minimum 45 minutes where the candidate has to deliver in at least 45 minutes a presentation of his/her most significant professional results as well as plans for the development of his/her academic/scientific career.

#### **g.) Full list of documents that candidates must include in the competition file**

a) application for registration in the contest, signed by the candidate, which includes a declaration on own responsibility regarding the veracity of the information presented in the file;

b) a proposal for the development of the candidate's academic career from the didactic point of view and scientific research activities; The proposal is drafted by the candidate, comprises a maximum of 10 pages and is one of the main criteria for distinguishing candidates.

c) curriculum vitae of the candidate in printed and electronic format;

d) list of works of the candidate in printed and electronic format;

e) the verification sheet of the fulfillment of the university's standards for submission to the competition completed and signed by the candidate;

f) documents regarding the possession of the doctoral diploma: certified copy of the doctoral diploma and, if the original doctoral diploma is not recognized in Romania, the certificate of its recognition or equivalence;

g) summary, in Romanian language and in a language of international circulation, of the doctoral thesis or, as the case may be, of the habilitation thesis, on maximum one page for each language;

h) declaration on the candidate's own responsibility indicating the situations of incompatibility provided by Law no. 199/2023 in which they would find themselves in case of winning the contest or the absence of these situations of incompatibility;

i) copies of other diplomas attesting to the candidate's studies;

j) copy of the identity card or, if the candidate does not have an identity card, of the passport or other identity document drawn up for a purpose equivalent to the identity card or passport;

k) if the candidate has changed his/her name, copies of documents certifying the change of name - marriage certificate or proof of name change;

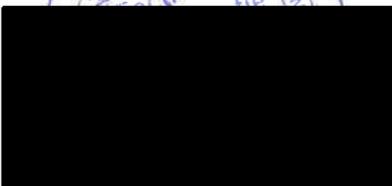
l) maximum 10 publications, patents or other works of the candidate, in electronic format, selected by him and considered to be the most relevant for his own professional achievements.

m) other documents attesting relevant academic competences required for the academic title of university professor (eg habilitation, etc.)

**h.) The application for the competition will be submitted to the address enclosed in the header.**

**DEAN:**

**Assoc. Prof. Nicoleta Acomi, PhD**



**HEAD OF DEPARTMENT:**

**Assoc. Prof. Anastasia Dușe, PhD**

