

FIELD	DESCRIPTION
University	„Aurel Vlaicu” University of Arad
Faculty	Faculty of Exact Sciences
Department	Department of Mathematics-Informatics
Position in the job title list	17
Role	Associate Professor
Academic disciplines in the curricula	Applied informatics Applied informatics 2 Computer architecture Analysis and synthesis of numerical device
Scientific Area	Computers and Information Technology
Job Description	<p>Assistant Professor position no. 17 includes courses and laboratory activities related to the subjects:</p> <p>Applied informatics (2 hrs course, 4 hrs labs, sem.2) Applied informatics 2 (1 hrs course, 8 hrs labs, sem.1) Computer architecture (2 hrs course, sem.2) Analysis and synthesis of numerical device (2 hrs course, 2 hrs labs, sem.1)</p> <p>All the subjects will be taught to students of the Faculty of Engineering.</p> <p>Besides didactic activities related to the subjects of the curriculum, in the announced job are included also scientific research activities in the field of the position and related fields.</p>
Related duties / activities	Didactic activities - courses and laboratories; Activities included in the job description: evaluation activities, tests, control papers, projects, etc .; Supervision of graduate works (undergraduate studies); Supervision of practical activity (tutoring); Organizing the professional competitions; Supervising student scientific research activities; Scientific research;
Minimum wage for classification	4472 lei
SCHEDULE	
Announcement publication date in the Official Monitor	Monitorul Oficial nr. 1400 din 26.11.2019
Registration period	26.11.2019-20.12.2019 13.01.2020- 17.01.2020
Date and time of the examination	03.02.2020, Monday, 11.00 am
Place of the examination	Aurel Vlaicu” University of Arad, Complexul M, First floor, room 111
Date for the exam tests, including lectures, courses etc.	Public lecture: 03.02.2020, 11.00 am Didactic lecture (for candidates coming from outside higher education): 03.02.2019, 12:00 am

Results communication date	03.02.2020
Results appeal period	04.02.2020 06.02.2020
Job application exam topics	<p>Didactic lecture topics (for candidates coming from outside higher education):</p> <ol style="list-style-type: none"> 1. Single-board type systems with micro-python implementation 2. Models of genetic algorithms 3. Deterministic sequential automata 4. Networks with IoT elements <p>References:</p> <ol style="list-style-type: none"> 1. Marco Schwartz, Internet of Things with ESP8266, 2016 2. Pethuru Raj, Anupama Raman, The Internet of Things: Technologies, Platforms, 2017 3. Charles Bell, MicroPython for the internet of Things, 2017 4. Nicholas Tollevey, Programming with MicroPython, 2017 5. William Stalling, Computer Organization and Architecture, 2013 6. Charles Roth, Larry Kinney, Fundamentals of Logic Design, 2014 7. Amir Gandomi, Conor Ryan, Handbook of Genetic Programming Applications, 2015 8. Miroslav Kuban, An Introduction to Machine Learning, 2015 <p>A public dissertation in which the candidate details the most significant professional results and the plan for the future career development at an academic level.</p>
Job application contest procedures	<p>The general standards related to the associate professor position are minimum and mandatory requirements applying in the competition for the position of associate professor, item no.17 of the Position list of the Mathematics - Informatics Department.</p> <p>The applicant must cumulatively fulfill the requirements of national minimum standards and the standards of the university for each teaching and research position targeted.</p> <p>The applicant must also fulfill the specific conditions for the targeted position:</p> <ul style="list-style-type: none"> - A graduate of a Faculty with Informatics or Automation and Computer science - PhD in Informatics, Computer science or Computer

	<p>and Information technology</p> <ul style="list-style-type: none"> - Didactic master / certificate of graduation of the psychopedagogical module or equivalent, <p>The candidate's professional skills are assessed by the competition committee as follows:</p> <ul style="list-style-type: none"> - Analysis of the file submitted for the contest; - Deliver a scientific / didactic lecture on a subject included in the job description and chosen by the committee according to the UAV's own methodology (in the case of candidates not coming from higher education and in the case of two or more candidates enrolled in the competition). The subject is announced to the candidates with 48 hours before the contest by e-mail and on the website of U.A.V.; - Deliver a public lecture for minimum 45 minutes in which the candidate presents the most significant professional results and the university career development plan. This sample contains necessarily a session of questions from the committee and the public. <p>The evaluation committee members assess the applicant, taking into consideration the following aspects:</p> <ul style="list-style-type: none"> - The fulfillment of minimal CNATDCU criteria; - The relevance and the impact of the applicant's scientific results; - The applicant's ability to coordinate students and young researchers; - The applicant's teaching abilities; - The applicant's ability to disseminate knowledge and research results towards the economic and social environment or to disseminate his own scientific achievements; - The applicant's ability to work as a team member and the efficacy of his scientific collaborations, taking into consideration the specifics of the applicant's field; - The applicant's ability to lead research and development projects; - The applicant's professional experience outside U.A.V.
<p>Lista completă a documentelor pe care candidații trebuie să le includă</p>	<p>a) the cover page of the file in accordance with the model in Annex 12</p>

în dosarul de concurs conform prevederilor și modelelor din Metodologia proprie a U.A.V.

- b)** Check list of the file (list of the documents in the file of the contest, no. of pages of documents and document page that is found) the model of Annex 13.
- c)** Application form, signed by the applicant; includes a declaration regarding the validity of information supplied, registered at the Registry of U.A.V. (Annex 2).
- d)** Plan towards the development of the applicant's university career from a scientific as well as a didactic perspective; the plan is to be prepared by the applicant, with a maximum extent of 10 pages, and is considered to be one of the main evaluation criterion. The document is signed on each page in the bottom right corner with a blue pen or ink.
- e)** Printed and digital copy of the applicant's CV, drawn up in accordance with Article 15. The document is signed on each page in the bottom right corner with a blue pen or ink.
- f)** List of published works – printed and digital copies, drawn up in accordance with Article 16. The document is signed on each page in the bottom right corner with a blue pen or ink.
- g)** University standards compliance form according to the methodology from Annex 4: the criteria of the compliance form are displayed on the university's web page. The compliance form is to be signed on each page in the bottom right corner with a blue pen or ink. Proof of criteria compliance will be attached (electronic format requested).
- h)** Documents regarding the PhD title, legalized copy of PhD diploma- if the original form is not recognized in Romania the applicant must provide validation proof.
- i)** Documents regarding the certificate of entitlement for doctoral supervisors in the field of the position targeted (for candidates for the position of university professor): copy of the certificate of entitlement according to its original or legalized;
- j)** The abstract of the PhD/habilitation thesis in Romanian and other widely used language, with a maximum length of 1 page per each language;
- k)** Personal Statement regarding incompatibility issues with the applied academic position as stated under Law Nr. 1/2011, or the lack of such issues (Annex 8);
- l)** Copy of the Monitorul Oficial where the announcement of the contest was published;
- m)** Legalized or certified copies of other certificates

	<p>attesting the applicant's qualifications: bachelor degree, university degree, master's degree or other associate degrees (accompanied by the supplement to the diploma / master sheet),;</p> <p>n) Copy of the ID card. If the applicant does not have an ID card, a copy of the passport or other relevant identification document is accepted;</p> <p>o) In case the applicant changed his/her name, copies attesting such modifications must be provided;</p> <p>p) A maximum of 10 publications, patents or other relevant scientific works supplied in electronic format and selected by the applicant as being representative for his professional achievements. The maximum of 10 papers in extenso will be filed in electronic format after scanning in * .pdf format.</p> <p>q) Legalized copy of the birth certificate;</p> <p>r) List of at least 3 names and contact addresses of personalities in this field who drafted letters of recommendation regarding the candidate's professional qualities and the letters of recommendation, for the positions of Associated Professor and Professor, drafted according to Art.17;</p> <p>s) CD including the job applicant' folder (it shall contain all the documents physically supplied (those provided under letters d-q) and those provided in electronic format). Documents contained in the folder will be scanned in * .pdf format.</p> <p><u>All documents previously provided as legalized copies can be filed in plain copy if confirmation is made with the original at the headquarters of our university by the designated person within the university secretariat.</u></p>
Address for the job applications	Universitatea "Aurel Vlaicu" din Arad, Arad, Bdul. Revoluției nr. 77 , județul Arad, cod 310130

Note: Announcements on jobs of associated professor, professor, second degree scientific researcher and first degree scientific researcher will also be published in English.

Dean
Professor **MARIANA NAGY , PhD**



Drafted,
Professor **GHIOCEL MOTȚ, PhD**
Head of Department

