

**"ALEXANDRU IOAN CUZA" UNIVERSITY OF IAŞI**

**INFORMATION FOR TEACHING POSTS, INDEFINITE PERIOD (ASSISTANT, LECTURER, LECTURER, TEACHER), TAKEN TO THE CONTEST II SEMESTER 2019-2020, published in the Official Gazette of Romania no. 306 part a - III - a, dated 15.04.2020**

No.	Faculty	Department	Position in the State of functions	Didactic function	Curriculum disciplines	Basic minimum salary	The topic / bibliography of the competition tests, including lectures, courses or other such tests	Description of the competition procedure; Competition tests; Date, time, place of the competition tests
0	1	2	3	4	5	6	7	8
1	Biology	Biology	24	Senior lecturer	Food Biochemical Transformations, Medical Applied Enzymology; Biochemistry of Microorganisms Metabolites-medical applications	4793	<p><b>Subjects for the presentation</b></p> <p>Biochemical changes in meat during processing, preservation and storage.</p> <p>Antioxidants from fruits and vegetables: types and benefits.</p> <p>Vegetable pigments - food colorants.</p> <p>The role of microbial metabolites in health and agriculture.</p> <p>Toxins from bacteria and fungi.</p> <p><b>References:</b></p> <p><b>Alais C, Guy L, Miclo L. (2008)</b> Biochimie alimentaire, 6 ème édition, Dunond.</p> <p><b>Cole R, Schweikert M (2003)</b>, Handbook of secondary metabolites, fungal metabolites, Academic Press.</p> <p><b>Hames BD, Hooper NM (2005)</b> Biochemistry second edition, Bios Scientific Publishers Ltd.</p> <p><b>Hanson James R (2008)</b> The Chemistry of Fungi, Published by The Royal Society of Chemistry.</p> <p><b>Kavanagh K (2005)</b> Fungi, Biology and Applications, John Wiley &amp; Sons, Ltd.</p> <p><b>Nelson DL, Cox MM (2017)</b> Lehninger Principles of Biochemistry, 7<sup>th</sup> edition, Freeman &amp; Company, W H, New York.</p> <p><b>Okafor Nkuda (2007)</b> Modern Industrial Microbiology and Biotechnology, Science Publishers.</p> <p><b>Opriță L (2011)</b> Biochimia produselor alimentare, Edit. Tehnpress.</p> <p><b>Simpson BK (2012)</b> Food biochemistry and food processing, second Edition Blackwell Publishing.</p> <p><b>Socaciu C (2007)</b> Food Colorants, Chemical and Functional Properties, Taylor and Francis group.</p>	<p><b>Academic performance evaluation of 80%</b> Date: 15.06.2020, time: 10:00, Place: B460</p> <p><b>Academic lecture 20%</b> Date: 15.06.2020, time 11.00, Place: B460/online</p>
2	Chemistry	Chemistry	9	Professor	Structural organic analysis; Organic chemistry of mixed functionalities.	5567	<ol style="list-style-type: none"> <li>1. Nuclear magnetic resonance.</li> <li>2. Mass spectrometry of organic compounds.</li> <li>3. Carboxylic acids.</li> </ol> <p>Bibliography:</p> <ol style="list-style-type: none"> <li>1. R.M. Silverstein, F.X. Webster, D.J. Kiemle,</li> </ol>	<p><b>Achievements 80%</b> date: 17.06.2020, hour 09.30 place: Amf. Petru Bogdan</p> <p><b>Academic lecture 20%</b> date: 17.06.2020, hour</p>

							Spectrometric Identification of Organic Compounds (7th edition), John Wiley & Sons, Ltd, 2007. 2. F.W. McLafferty, F. Turecek, Interpretation of Mass Spectra, University Science Books, 1993. 3. I. Druta, Stabilirea structurii compusilor organici, 1987. 4. C. D. Nenitescu, Chimie Organica, Editura Didactica si Pedagogica, Bucuresti, 1980.	10.00 place: Amf. Petru Bogdan/online
3	Chemistry	Chemistry	10	Professor	Heterocyclic compounds; Drug design.	5567	<p>1. The study of the principal heteroaromatic compounds. The nomenclature of the heterocyclic compounds.</p> <p>2. Five-membered mono heteroatomic rings: furan, thiophene, pyrrole.</p> <p>3. Six-membered poly heteroatomic rings: azines.</p> <p>Bibliography:</p> <ol style="list-style-type: none"> <li>1. C. D. Nenitescu, Chimie organica, Ed. Did. si Pedag., Bucuresti, 1980</li> <li>2. M. Avram , Chimie organica, Ed. Academiei, Bucuresti, 1983</li> <li>3. Petrovanu, M., Ștefănescu, E., Curs de chimie organică, Vol. II, Ed. Institutului de Medicină și Farmacie Iași, 1976.</li> <li>4. Sunel, V., Chimie organică. Compuși heterociclici. Produsi naturali. Ed. Universității, "Al.I.Cuza"-Iasi, 1995</li> <li>5. Joule J.A., Mills K., Heterocyclic Chemistry 5<sup>th</sup> ed., John Wiley &amp; Sons, New Jersey, 2004</li> </ol>	<b>Achievements 80%</b> date: 17.06.2020, hour 11.30 place: Amf. Petru Bogdan <b>Academic lecture 20%</b> date: 17.06.2020, hour 12.00 place: Amf. Petru Bogdan
4	Chemistry	Chemistry	25	Assistant professor	Biochemistry: metabolism; Special chapter of biochemistry; Toxicology and enzimology.	4793	<p>1. Amino acid metabolism: Sources and pathways of amino acid metabolism.</p> <p>2. Immunoglobulins: Antibody Structure and Immunochemical Analysis Techniques.</p> <p>3. Enzymes: Inhibitory factors and methods for determining the enzymatic activity in certain pathologies.</p> <p>Bibliography:</p> <ol style="list-style-type: none"> <li>1. Nelson, D. L., Cox, M. M., Lehninger Principles of Biochemistry (6<sup>th</sup> Ed.), W.H. Freeman &amp; Company, NY, 2012.</li> <li>2. Voet, D., Voet, J., Pratt, C. W., Fundamental of Biochemistry: Life at the Molecular Level, 2<sup>nd</sup> Ed., Wiley, 2006.</li> <li>3. David. A. Bender, Amino Acid Metabolism, 3<sup>rd</sup> Ed., Wiley-Blackwell, 2012.</li> <li>4. A. K. Abbas, A. H. Lichtman, Basic Immunology: Functions and Disorders of the Immune System, Elsevier-Saunders, 4<sup>th</sup> Ed., 2012.</li> </ol>	<b>Achievements 80%</b> date: 15.06.2020, hour 12 place: Amf. P3 <b>Academic lecture 20%</b> date: 15.06.2020, hour 12.30 place: Amf. P3

							5. De Jo Phillips, Fundamentals of Enzymology, ED-Tech Press, 2019.	
5	Economics and Business Administration	Finance, Money and Public Administration	10	Professor	Public Budgetary Systems; Financial Management of Local Governments	5567	<p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>- The public budget – content, approaches and functions</li> <li>- Alternatives for structuring the public budgetary system and their implications</li> <li>- Fiscal federalism - concept, principles and applicability for Romania</li> <li>- International practice of designing the public budgetary system</li> <li>- The structure and functionality of the Romanian public budgetary system</li> <li>- The architecture and functionality of public budgetary system in unitary countries</li> <li>- The architecture and functionality of public budgetary system in federal countries</li> <li>- Public budgetary systems in the context of cooperation and supra-national integration</li> <li>- The system of intergovernmental fiscal transfers – design and implications</li> <li>- Factors of impact and trends in structuring and functionality of public budgetary system</li> <li>- Local Financial Management – particularities, functions and instruments</li> <li>- Management of local public expenditures and their efficiency</li> <li>- Particularities of local investment projects and factors of influence</li> <li>- Investments Program and its role in managing local investment projects</li> <li>- Local investment projects evaluation</li> <li>- Local revenues mobilization management</li> <li>- Local budgets balancing – alternatives and European practice</li> <li>- European practices of local indebtedness</li> <li>- Financial performance of local governments - concept and indicators of analysis</li> <li>- Management of financial crisis and insolvency of the local governments</li> </ul> <p><b>Bibliography:</b></p> <ul style="list-style-type: none"> <li>- Adam, F., Ferrand, O., Rioux, R., Finances publiques, Paris: Dalloz, 2006</li> <li>- Allen, R., Hemming, R., Potter, B. (eds.) The International Handbook of Public Financial</li> </ul>	<p><b>Academic file 80%</b> date: 16.06.2020, hour: 9.00 place: Room B413/online</p> <p><b>Academic lecture 20%</b> date: 16.06.2020, hour: 10.00 place: Room B413/online</p>

- Management, Palgrave Macmillan, 2013
- Broadway, R., Shah, A., *Fiscal Federalism – Principles and Practice of Multiorder Governance*, New York: Cambridge University Press, 2009
  - Bovaird, T. and Löffler, E. (eds.), *Public Management and Governance*, New York: Routledge, 2009
  - Dascălu, D. E., *Budgetary System in Romania*, Bucharest: Didactică și Pedagogică, 2006
  - Gruber, J., *Public Finance and Public Policy*, New York: Worth Publishers, 2007
  - Hoorens, D. (coord.), *Local finance*, Paris: Dexia Editions, 2004
  - Inceu, A.M., Lazăr D.T., Zai, P.V., *Public Finance in European Context*, Cluj-Napoca: Accent, 2010
  - Moșteanu, T. (coord.), Vuță, M., Câmpeanu, E. M., Attila, G., Cataramă, D., *Budget and Public Treasury*, Bucharest: Universitară, 2008
  - Musgrave, R. A., Musgrave, P. B., *Public finance in theory and practice*, Mc-Graw Hill Inc, 1989.
  - Mussel, M., *Understanding Government Budgets*, London: Routledge, 2008
  - Mutăscu, M., *Comparative Budgetary Systems*, Timișoara: Mirton, 2011
  - Núria, B. and Durán, J., (eds.), *Fiscal Federalism and Political Decentralization*, Cheltenham: Edward Elgar, 2008
  - Oates, W. E., *On the Theory and Practice of Fiscal Decentralization*, Roma: CREI Working Papers, 2007
  - Oprea, F., *Public budgetary Systems. Theory and practice*, Bucharest: Economică, 2011
  - Oprea, F., *Financial Management of local Governments*, Bucharest: Tritonic, 2013
  - Oprea, F., Cigu, E., *Local Public Finance*, Bucharest: C.H. Beck, 2013
  - Orsoni, G., (coord.), *Les finances publiques en Europe*, Paris: Economica, 2007
  - Shah, A., (editor), *Intergovernmental Fiscal Transfers – Theory and Practice*, Washington: World Bank, 2007
  - Shah, A., (editor), *Budgeting and Budgetary Institution*, Washington: World Bank, 2007
  - Shah, A., (editor), *Local Public Financial Management*, Washington: World Bank, 2007
  - Shah, A., (editor), *Local Budgeting*, Washington: World Bank, 2007
  - Shah, Anwar, (editor), *Macro Federalism and Local Finance*, World Bank, Washington, 2008
  - Tresch, R., *Public Sector Economics*, New York:

							Palgrave Macmillan, 2008 – Văcărel, I., (coord.), Public Finance, Bucharest: Didactică și Pedagogică, 2008	
6	Economics and Business Administration	Finance, Money and Public Administration	11	Professor	Performance Management in Public Administration; Strategic Management; Public Policies Analysis	5567	<p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>– Performance and performance management. Analysis of the specialized literature.</li> <li>– Performance and performance management in public administration - delimitations and interference.</li> <li>– Professional training of public administration personnel - a prerequisite for performance.</li> <li>– Evaluation of the professional performance of public administration personnel. Concept, principles, applicable regulatory framework.</li> <li>– The stages of the evaluation of the professional performances of the personnel from the public administration.</li> <li>– Effects of the evaluation of the professional performances of the public administration personnel.</li> <li>– Professional career and professional performance of public administration personnel.</li> <li>– Strategy and strategic management in the public organization.</li> <li>– Configuring strategies in the public organization.</li> <li>– Matrix analysis of the determinants of strategy in the public organization.</li> <li>– The strategic planning process in the public organization.</li> <li>– Currents and schools of thought on strategy.</li> <li>– Strategic planning objectives, functions and stakeholders.</li> <li>– Operationalization and implementation of strategic options.</li> <li>– Applicability of Reinventing Government theory in the public organization.</li> <li>– Analysis of public policies – concept, typology and actors.</li> <li>– The cycle of public policies.</li> <li>– Identifying the problem and establishing the public policy agenda.</li> <li>– Rational decision - a model of public policy adoption.</li> <li>– Implementation, monitoring and evaluation of public policies.</li> </ul> <p><b>Bibliography:</b></p> <ul style="list-style-type: none"> <li>– Ansoff, I., <i>Stratégie et développement de l'entreprise</i>, Paris, Les Edition d'Organisation, 1996.</li> <li>– Anton, S. G.; Onofrei, M., <i>Public Policies to Support</i></li> </ul>	<p><b>Academic file 80%</b> date: 16.06.2020, hour: 11.00 place: Room B413/online</p> <p><b>Academic lecture 20%</b> date: 16.06.2020, hour: 12.00 place: Room B413/online</p>

- Entrepreneurship and SMEs. Empirical Evidences from Romania.* Transylvanian Review of Administrative Sciences, [S.l.], p. 5-19, Feb. 2016. ISSN 1842-2845. Available at:  
<<https://rtsa.ro/tras/index.php/tras/article/view/468>>.
- Bercu, A. M., *Strategii manageriale publice*, Editura Tritonic Books, Bucureşti, 2013.
  - Bercu,A.M., Tofan, M., *Competitivitate europeană regională și dezvoltarea resurselor umane*, Editura Universității Alexandru Ioan Cuza din Iași, 2018.
  - Bryson, J. M., *Strategic planning for public and nonprofit organizations: a guide to strengthening and sustaining organizational achievement*, John Wiley & Sons, 2011.
  - Cole, G. A., *Organisational Behavior. Theory and Practice*, Continuum Press, Great Britain, 2002.
  - Dunn, William N., *Analiza politicilor publice*, Iași: Polirom, 2010.
  - Fischer, F., Miller, G.J., Sidney, M.S. (ed.), *Handbook of public policy analysis: theory, politics, and methods*, CRC Press, Taylor & Francis Group, 2007.
  - Freeman, R. E., *Strategic Management: A Stakeholder Approach*, Cambridge University Press, 2010.
  - Herman A., *Performance Management*, Edinburg Business School, UK, disponibil la adresa <https://www.ebsglobal.net/EBS/media/EBS/PDFs/Performance-Management-Course-Taster.pdf>
  - Hill, C.W.L.; Jones, G.R.; *Essentials of strategic management*, 3<sup>rd</sup> edition, Cengage Learning, 2012, accesibil la adresa:[http://202.28.25.105/elearning/courses/703309/document/EssentialsofStrategicManagement\\_3rdEdition.pdf](http://202.28.25.105/elearning/courses/703309/document/EssentialsofStrategicManagement_3rdEdition.pdf)
  - Hîntea, C. E.; Profiroiu, M. C.; Țiclău, T.C., *Strategic Planning and Public management Reform: The Case of Romania.* Transylvanian Review of Administrative Sciences, [S.l.], p. 30-44, Dec. 2015. ISSN 1842-2845. Available at:  
<<https://rtsa.ro/tras/index.php/tras/article/view/467>>.
  - Hunger, J.D.; Wheelen, T. L.; *Essentials of strategic management*, 5<sup>th</sup> edition, Prentice Hall, 2011, accesibil la adresa: <https://epdf.pub/essentials-of-strategic-management-5th-edition.html>
  - Miller, G.J., Yang, K. (ed.), *Handbook of research methods in public administration*, 2nd ed., Taylor & Francis Group, LLC, 2008.
  - Navas Lopez, J.E.; Guerras Martin, L.A.; *Fundamentals of strategic management*, 2<sup>nd</sup> edition, E-book Thompson

							and Reuters Proview, 2018. - Onofrei, M., <i>Administrație publică. Fundamente teoretice și bune practici</i> , Editura Alexandru Ioan Cuza din Iași, 2007. - Politt C., Bouckaert, G.. <i>Public Management Reform: A Comparative Analysis</i> , Oxford University Press, London, 2000. - Profiroiu, M., <i>Managementul organizațiilor publice</i> , Editura Economică, București, 2001. - Profiroiu, M., Profiroiu, A., Popescu, I., <i>Instituții și politici europene</i> , Editura Economică, București, 2008. - Rotaru, A., Prodan, A., <i>Managementul resurselor umane</i> , Editura Sedcom Libris, Iași, 2005.	
7	Economics and Business Administration	Management, Marketing and Business Administration	41	Associate Professor	Consumer Behavior; Marketing; Guidance graduation paper	4793	<p><b>Discipline: Consumer Behavior</b></p> <ul style="list-style-type: none"> <li>• The buying decision process</li> <li>• Psychological factors that are influencing the consumer's behavior. The need and the motivation.</li> <li>• Psychological factors that are influencing the consumer's behavior. The learning process</li> </ul> <p><b>References:</b></p> <ul style="list-style-type: none"> <li>• Manolică, A. (2013) Implicații decizionale ale comportamentului consumatorului, Ed. Tehnopress, Iași</li> <li>• Schiffman, L.G., Kanuk, L.L. (2010) Consumer Behavior, 10th ed., Ed. Pearson, Boston</li> <li>• Beckwith, H. (2007) Ce-și doresc clienții noștri. Ghid pentru dezvoltarea afacerii, Ed. Polirom, Iași</li> </ul> <p><b>Discipline: Marketing</b></p> <ul style="list-style-type: none"> <li>• The market and the consumers</li> <li>• The marketing mix. Product and product strategies</li> <li>• The marketing mix. Distribution strategies</li> </ul> <p><b>References:</b></p> <ul style="list-style-type: none"> <li>• Munteanu C. (coord.), Maxim, E., Sasu, C., Prutianu, Ș., Zaiț, A., Manolică, A., Jijie, T., Monoranu, A. (2011) - Marketing. Principii, practici, orizonturi, Ed. Sedcom Libris, Iași</li> <li>• Kotler, P. (2008) - Prinzipiile marketingului, ediția a 4-a, Ed. Teora, București</li> <li>• Prutianu, Ș., Anastasiei, B., Jijie, T. (2005) - Cercetarea de marketing. Studiul pieței pur și simplu, ed.a 2-a, Ed. Polirom, Iași</li> </ul>	<p><b>Analysis of the competition file 80%</b> date: 15.06.2020, hour 9.00 place:B515 B building</p> <p><b>Academic lecture 20%</b> date:15.06.2020, hour 9.30 place: B515 B building</p> <p>Subject to the possibility of conducting online competition tests</p>
8	Economics and Business Administration	Management, Marketing and Business Administration	42	Associate Professor	Tehnici de vânzări; Comunicare organizațională; Îndrumare lucrare licență; Îndrumare lucrare disertație.	4793	<p><b>Discipline Sales Techniques</b></p> <ol style="list-style-type: none"> <li>1. Seller, customer, products and / or services. What do we actually sell?</li> <li>2. Customer-oriented way of working. From product / service to customer solutions and experiences</li> <li>3. NLP tools for effective sales communication</li> </ol>	

4. Active listening and questioning techniques  
Stages of the sales process

**References:**

Borg, S. W. & Young, L. (2014) – *Continuing the evolution of the selling process: A multi-level perspective.* Industrial Marketing Management, Volume 43, Issue 4, pp. 543-552,

<https://doi.org/10.1016/j.indmarman.2014.02.013>

Gallo, Carmine (2012) – *Experiența Apple. Secretele construirii unei relații pe termen lung cu clienții*, Editura Amaltea, 2015

Moncrief, W. C. & Marshall, G. W. (2005) – *The evolution of the seven steps of selling.* Industrial Marketing Management, Volume 34, Issue 1, pp. 13-22,

<https://doi.org/10.1016/j.indmarman.2004.06.001>

Pink, Daniel (2012) – *A vinde e omenește. Adevărul surprinzător despre cum să-i convingi pe ceilalți*, Publica, București, 2013

Williams, B. C. & Plouffe, C. R. (2007) – *Assessing the evolution of sales knowledge: A 20-year content analysis.* Industrial Marketing Management, Volumul 36, pp. 408–419, <https://doi.org/10.1016/j.indmarman.2005.11.003>

**Discipline Organizational Communication**

1. Organizational communication in the context of management paradigms. An exploration of organizational metaphors.

2. The individual in an organizational context

3. Interpersonal communication

4. Group and group communication in organizations

5. Participation and involvement. Development of communication skills in organizations

6. Organizational change. The role of communication

7. Evaluation of organizational communication

**References:**

Cismaru, D.-M. (2008) – *Comunicarea internă în organizații*, Editura Tritonic

Cornelissen, J. P. (2006) – *Metaphor in organization theory: Progress and the past.* Academy of Management Review, Vol. 31, No. 2, pp. 485-488,

<https://doi.org/10.5465/amr.2006.20208700>

Grandien, C.; Johansson, C. (2012) – *Institutionalization of communication management: A theoretical framework*, Corporate Communications: An International Journal, Vol. 17 Issue: 2, pp. 209-227,

<https://doi.org/10.1108/13563281211220247>

Kalla, H. (2005) – *Integrated internal communications: a multidisciplinary perspective*, Corporate Communications: An International Journal, Vol. 10 No. 4, pp. 302-314. <https://doi.org/10.1108/13563280510630106>

**Analysis of the competition file 80%**

date: 15.06.2020..hour 11.00

place:B515 B building

**Academic lecture 20%**

date:15.06.2020 hour 11.30

place: B515 B building

Subject to the possibility of conducting online competition tests

						Mucchielli, A. (2008) – <i>Comunicarea în instituții și organizații</i> , Editura Polirom Schokley-Zalabak, P.- S (2009) – <i>Fundamentals of Organizational Communication. Knowledge, Sensitivity, Skills, Values</i> , Pearson International Edition Verčič, A. T.; Verčič, D.; Sriramesh, K. (2012) – <i>Internal communication: Definition, parameters, and the future</i> , Public Relations Review, Vol. 38, pp. 223– 230, <a href="https://doi.org/10.1016/j.pubrev.2011.12.019">https://doi.org/10.1016/j.pubrev.2011.12.019</a> Welch, M. and Jackson, P.R.(2007) – <i>Rethinking internal communication: a stakeholder approach</i> , Corporate Communications: An International Journal, Vol. 12 No. 2, pp. 177-198(22), DOI: <a href="https://doi.org/10.1108/13563280710744847">https://doi.org/10.1108/13563280710744847</a>	
9	Economics and Business Administration	Management, Marketing and Business Administration	44	Associate Professor	Business Administration in Commerce; Business start-up; Ethics and academic integrity; Management. Guidance graduation paper; Dissertation paper guidance	<p><b>Discipline: Business Administration in Commerce</b> Commercial manager tools. Indicators, commercial dashboards, time management. Negotiation in the sale-purchase process. Principles, tactics, strategies Institutionalization of the process of distribution of goods Strategic dimensions of distribution</p> <p><b>References</b> Fernandez, A. (2004), <i>Les nouveaux tableaux de bord des managers</i>, Edition d'organisation, Paris Fernandez, F. (2001), <i>Action commerciale</i>, Ed. Dunot, Paris Jobber, D., Lancaster, G. (2016), <i>Selling and sales management</i>, Ed. Pearson Pistol, M.G., Pistol, L. (2004), <i>Comerul interior. Teorie si practică</i>, Ed. Economică, Bucureşti Roman, T. (2006), <i>Logistica</i>, Ed. Junimea, Iasi</p> <p><b>Discipline : Business start-up</b> Entrepreneurship and entrepreneurship education: emergence, development and challenges in the current period Identifying business ideas and evaluating opportunities Methods of entering the business Sources of financing for the new business</p> <p><b>References</b> Anton, S.G., Agheorghiesei, D.T., Maha, L. G., Onofrei, M. (2018), <i>Antreprenoriat. Infrastructura, finanțarea și managementul micilor afaceri</i>, Ed. Universității „Alexandru Ioan Cuza”, Iași Farrell, L.C. (2013), <i>Noua era antreprenorială</i>, Ed. Prior&amp;Books, Bucureşti Sasu, C. (2003), <i>Inițierea și dezvoltarea afacerilor</i>, Editura Polirom, Iași *** Comisia Europeană, <i>Relansarea spiritului de întreprindere în Europa, Plan de acțiune Antreprenoriat 2020</i>. (The Entrepreneurship 2020 Action Plan), Bruxelles,</p>	<b>Analysis of the competition file 80%</b> date: 15.06.2020 .hour 11.00

						2013	<b>Discipline: Ethics and academic integrity</b> Management of ethics and integrity in higher education Issues, ethical dilemmas and unethical behaviors specific to teaching and assessment activities in higher education Issues, ethical dilemmas and unethical behaviors specific to research activities <b>References</b> Agheorghiesei Corodeanu, D. T. (2013), <i>Etica în Administrația Publică</i> , Editura Tritonic, București Constantinescu, M., Mureșan, V. (2013), <i>Instituționalizarea eticii: mecanisme și instrumente</i> , Editura Universității din București Stefan, E.E. (2018), <i>Etică și integritate academică</i> , Editura Pro Universitaria, Bucuresti *** Ministerul Educației Naționale, Asociația pentru Implementarea Democrației – România, <i>Ghid privind standardele de integritate aplicabile în sectorul educație</i> , 2013 <b>Discipline: Management</b> Organizational culture and national culture. Orientation of culture in the spirit of high performance The nature and importance of planning. Strategic planning. Substantiation of unicriteria decisions Organization and organizational structures <b>References</b> Armstrong M. (2015), <i>Armstrong's Handbook of Performance Management</i> , Kogan Page Nica, P., Neștian, A. Ș., Prodan, A., Iftimescu, A., Tiță, S., Manolescu, I., Agheorghiesei Corodeanu, D.T., Bedrule Grigorută, M.V. (2019), <i>Managementul organizației - concepte și practici</i> , Ed. Universității „Alexandru Ioan Cuza”, Iași Nicoleșcu, O., Verboncu, I. (2008), <i>Fundamentele managementului organizației</i> , Ed. Universitară, București Robbins, St., Coulter M. (2009), <i>Management</i> , ediția a XI-a, Pearson Education Limited	place:B1, B building <b>Academic lecture 20%</b> date: 15.06.2020.hour 11.30 place:B1, B building  Subject to the possibility of conducting online competition tests
10	Faculty of Economics and Business Administration	Economics and International Relations	8	Professor	Institutions and development; Macroeconomics.	5567	<b>TOPICS</b> - Institutional Quality and Entrepreneurship Development - Institutions and Sustainable Development - The Socio-Economic Value of Trust - Cultural Values and Development - The Process of Institutional Change and its Specificity in Post-Communism - Externalities and Conflicting Rights - The Wealth of Nations: Globalization and Economic Growth - Inflation - Determinants of Youth Unemployment	<b>Academic file 80%</b> date: 15th of June 2020, hour: 9.00 place: B311/online  <b>Academic lecture 20%</b> date: 15th of June 2020, hour: 10.00 place: B311/online

- Unemployment

**BIBLIOGRAPHY:**

- Acemoglu, D., *Why nations fail: the origins of power, prosperity and poverty*, Crown Publishers, New York, 2012.
- Ali, H.S., Zeqiraj, V., Lin, W.L. et al., "Does quality institutions promote environmental quality?". *Environmental Science and Pollution Research*, No. 26, pp. 10446- 10456, 2019.
- Baciu, L., Asandului, L., Iacobuță, A., Corodeanu, D., *Coerență instituțională în dinamica economiei românești*, Ed. Universitatea Alexandru Ioan Cuza din Iași, 2009.
- Boettke, P., Coyne, C., *Context Matters: Institutions and Entrepreneurship*, 1<sup>st</sup> ed., Now, 2009.
- Breen, R., "Explaining cross-national variation in youth unemployment: Market and institutional factors", *European Sociological Review*, Vol. 21, no. 2, pp. 125-134, 2005.
- Brzinsky-Fay, C., "The interplay of educational and labour market institutions and links to relative youth unemployment", *Journal of European Social Policy*, Vol. 27, no. 4, pp. 346-359, 2017.
- Görlich, A., Katzenelson, N., "Young people on the margins of the educational system: following the same path differently", *Educational Research*, Vol. 60, no. 1, pp. 47-61, 2018.
- Heyne, P., P. Boettke, D. Prychitko, *Modul de gândire economic*, Bizzkit, 2016.
- Ignat, I., Pohoata, I., Luțac, G., Pascariu, G.C., *Economie politică*, ediția a doua, Ed. Economică, 2002.
- Kasper, W., Streit, M., *Institutional Economics: Social Order and Public Policy*, The Locke Institute, Edward Elgar, Cheltenham, 1998.
- Kornai, J., Rose-Ackerman, S., Rothstein, B. (eds.), *Creating Social Trust in Post-Socialist Transition*, Palgrave MacMillan, New York, 2004.
- Mascherini, M., Ludwinek, A., Vacas, C., Meierkord, A., *Mapping youth transitions in Europe*, Publications Office of the European Union, Luxembourg, 2014.
- North, D. C., *Instituții, schimbare instituțională și performanță economică*, Ed. Știința, Chișinău, 2003.
- North D. C., *Understanding the process of economic change*, Princeton University Press, 2010.
- Ozanian, A., *Why rule of law is the bedrock of sustainable development*, World Economic Forum, 2015.
- Pejovich, S., "From socialism in the 1900s to socialism in the 2000s: the rise of liberal socialism", *Post-Communist Economies*, 30:1, 117-129, 2018.

						<ul style="list-style-type: none"> <li>- Pohoăă, I., <i>Repere în economia instituțională</i>, Ed. Economică, București, 2009.</li> <li>- Pohoăă, I., <i>Dezvoltare durabilă. Teorie și politică economică</i>, Ed. INCE, Chișinău, 2018.</li> <li>- Salin, P., <i>Liberalismul</i>, Editura Universității Alexandru Ioan Cuza, Iași, 2013.</li> <li>- Stojanović, I., Ateljević, J., Stević, R.S., “Good Governance as a Tool of Sustainable Development”, <i>European Journal of Sustainable Development</i>, 5, 4, pp. 558-573, 2016.</li> </ul>	
11	Faculty of Economics and Business Administration	Economics and International Relations	9	Professor	Microeconomics; Macroeconomics; International business strategies. Case studies.	<p><b>TOPICS:</b></p> <ul style="list-style-type: none"> <li>- Efficiency, Exchange and Comparative Advantage</li> <li>- Substitutes Everywhere: The Concept of Demand</li> <li>- Cost and Choices: The Concept of Supply</li> <li>- Profit and Loss</li> <li>- Price Searching</li> <li>- Externalities and Conflicting Rights</li> <li>- Measuring the Overall Performance of Economic Systems</li> <li>- Wealth of nations: globalization and economic growth</li> <li>- Inflation</li> <li>- Companies' strategies to enter foreign markets</li> <li>- Risks and advantages of business internationalization</li> </ul> <p><b>BIBLIOGRAPHY:</b></p> <ul style="list-style-type: none"> <li>- Cismaș, L., Sârghi, N., <i>Microeconomie</i>, Editura Mirton, Timișoara, 2013.</li> <li>- Heyne, P., Boettke, P., Prychitko, D., <i>Modul de gândire economic</i>, Ed. Bizzkit, 2012.</li> <li>- Heyne, P., Boettke, P., Prychitko, D., <i>The Economic Way of Thinking</i>, 13<sup>th</sup> edition, Pearson, 2013.</li> <li>- Ignat, I., Pohoăă, I., Luțac, G., Pascariu, G.C., <i>Economie politică</i>, ediția a doua, Ed. Economică, 2002.</li> <li>- Krugman, P., Wells, R., <i>Macroeconomics</i>, 5th edition, Worth Publishers, 2018.</li> <li>- Lipsey, R., Christal, K., <i>Economics</i>, Oxford University Press, 2007.</li> <li>- Mursa, G., <i>Logica pieței</i>, Editura Universității „Al. I. Cuza” din Iași, 2015.</li> <li>- Ludwig von Mises, <i>Economia în șapte lecții</i>, Institutul Ludwig von Mises, România, 2010.</li> <li>- Nicholson, W., <i>Microeconomic Theory: basic principles and extensions</i>, 10th edition, 2007.</li> <li>- Verbeke, A., <i>International business strategy</i>, Cambridge University Press, 2013.</li> <li>- Buckley, P.J., Ghauri, P.N., <i>International Business Strategy: Theory and Practice</i>, Rotledge, 2015.</li> <li>- Bhandari, A., Verma, R., “International business</li> </ul>	<p><b>Academic file 80%</b> date: 15th of June 2020, hour: 11.00 place: B311/online</p> <p><b>Academic lecture 20%</b> date: 15th of June 2020, hour: 12.00 place: B311/online</p>

						strategy”, in <i>Strategic Management: A Conceptual Framework</i> , McGraw Hill Education, 2013, pp. 562-667.	
12	Faculty of Philosophy, Social and Political Sciences	Political Sciences, International Relations and European Studies	5	Associate professor	Statistica aplicată; Metode de cercetare în științele sociale; Analiza comparată a sistemelor politice; Psihologie politică.	4793 THEMES/ TOPICS: 1. Quantitative research in social and political sciences: research variables, statistical correlations, linear and nonlinear equations of regression 2. Applied theory of probabilities for social and political sciences 3. Hypothesis testing and theoretical improvement in the research methodology for social and political sciences 4. Political behavior: behavioral perspectives and challenges from social neurosciences 5. Cognitions and representations of the political space. Psycho-political perspectives 6. Personality, temperaments and political roles 7. Experimental and non-experimental methods for political sciences 8. Democracy and political culture in contemporary political systems. Theories and research models in the comparative politics 9. Systemic paradigm and the complexity of the political reality. Implications for comparative research 10. Actors, processes and political phenomena in comparative approach Bibliography: 1. Almond G, Powell G. et.al, Comparative politics Today, Pearson, New York, 2002. 2. Connolly William, Neuropolitics, University of Minnesota Press, 2002 3. Cottam Martha, Dietz-Uhler Beth, Mastors Elena, Preston Thomas, Introduction to political psychology, Lawrence Erlbaum Associates, Publishers, London, 2004 4. Dorna Alexandre, Liderul carismatic, Ed. Corint, Bucureşti, 2004 5. Elster Jon, Comportamentul social, Ed.All, Bucureşti, 2013 6. Elster Jon, Political Psychology, Cambridge University Press, Cambridge, 1993 7. Freedman D, Statistical Models, Theory and Practice, Cambridge University Press, 2009 8. Kolenikov S, Steinley D, Thombs L, Statistics in the Social Sciences, Current Methodological Developments, A John Wiley&Sons Publications, INC, 2010 9. Kopstein J, Lichbach M, Comparative Politics, Interests, Identities and Institutions in a Changing	Analysis of Application File - 80% Date: 17.06. 2020 Hour: 1 p.m. (13.00) Venue: FSSP Council Room Academic lecture: 20% Date: 17.06.2020 Hour: 1 p m. (13.00) Venue: FSSP Council Room

							Global Order, Cambridge University Press, Cambridge, 2005 10. Lichbach I.M, Zuckerman S.A, Comparative Politics, Cambridge University Press, Cambridge, 2009 11. Lupia, Arthur & McCubbins, Mathew & Popkin, Samuel. Elements of Reason Cognition, Choice, and the Bounds Of Rationality. Cambridge: Cambridge University Press, 2000. 12. Rotariu T. (coord.), Metode statistice aplicate în științele sociale, Ed. Polirom, Iași, 2006.	
13	Faculty of Philosophy, Social and Political Sciences	Philosophy	<b>16</b>	Associate professor	Christian Metaphysics; Metaphysics; Critical Thinking (RISE); Management of cultural projects; Coordinating BA and MA Thesis	4793	<p><b>Topics:</b></p> <ol style="list-style-type: none"> <li>1. "Eternal Truths", between St. Augustine and Descartes.</li> <li>2. Jansenism, Cartesianism, Malebranchism. From religious controversy to metaphysical system.</li> <li>3. The relationship between <i>res cogitans-res extensa</i> in the post-Cartesian school. The goals of a permanent dissension.</li> <li>4. The polysemy of the concept of "General Will" in the XVIIth and XVIIIth century. Metaphysics, theology, politics.</li> <li>5. Malebranchist influences in the seventeenth century. Continuation or subversion?</li> <li>6. Karl Popper's critical rationalism.</li> <li>7. Strategies for optimal scientific and managerial approach of C1-C4 items within TE type projects.</li> </ol> <p><b>Bibliography:</b></p> <ul style="list-style-type: none"> <li>- Janowski, Zbigniew, <i>Index augustino-cartesien, textes et commentaires</i>, Paris, Vrin, 2000</li> <li>- Funkenstein, Amos, <i>Teologie și imaginatia științifică. Din Evul Mediu până în secolul al XVII-lea</i>, București, Humanitas, 1998</li> <li>- Neveu, Bruno, <i>Erudition et religion</i>, Paris, Bibliothèque Albin Michel, 1994</li> <li>- Marion, Jean-Luc, <i>Sur le prisme métaphysique de Descartes. Constitution et limites de l'onto-théo-logie dans la pensée cartésienne</i>, Paris, PUF, 2004</li> <li>- <i>The Oxford Handbook of Descartes and Cartesianism</i>. Edited by Steven Nadler, Tad M. Schmaltz, and Delphine Antoine-Mahut, Oxford University Press, 2019</li> <li>- Carraud, Vincent, <i>Causa sive ratio. La raison de la cause, de Suarez à Leibniz</i>, Paris, PUF, 2003</li> <li>- Riley, Patrick, <i>The General Will before Rousseau</i>, Princeton University Press, 1986</li> <li>- <i>Les Malebranchismes des Lumières</i>, études sur les réceptions contrastées de la philosophie de Malebranche, fin XVIIe et XVIIIe siècles, réunies par Delphine Antoine-</li> </ul>	<p><b>Analysis of the Application 80%</b> Date: 15th of June, 2020, 11:00, Council Room of the Faculty of Philosophy and Social-Political Sciences</p> <p><b>Academic Lecture 20%</b> Date: 15th of June, 2020, 12:00, Council Room of the Faculty of Philosophy and Social-Political Sciences</p>

							Mahut, Paris, Honoré Champion, 2014 - Popper, Karl, <i>Societatea deschisă și dușmanii ei</i> , București, Humanitas, 1993 - McCollum James K., Bănuțu Cristian Silviu, <i>Management de proiect – o abordare practică</i> , București, Editura Universitară, 2007 - AFITEP, Asociația Franceză de Managementul Proiectelor, <i>Dicționar de managementul proiectelor</i> , București, Editura Tehnică, 2001.	
14	Physics	Physics	28	Associate professor	Molecule Physics, Quality ensurance in the practice of medical physicists.	4793	<p><b>Tematica</b></p> <ol style="list-style-type: none"> <li>1. Hartree theory. Periodic table of elements and the electronic states of multielectron atoms</li> <li>2. Chemical combinations of carbon;</li> <li>3. Rotational spectra of molecules;</li> <li>4. Technology and quality control in computed tomography (CT);</li> <li>5. Technology and quality control in positron emission tomography;</li> <li>6. Technology and quality control in classical and digital mammography.</li> </ol> <p><b>Bibliografia</b></p> <ol style="list-style-type: none"> <li>1. G. Borcia, Fizica atomului și moleculei, Editura Sedcom Libris, Iași, 2014.</li> <li>2. G. Borcia, Introducere în teoria cuantică a atomului și moleculei, Editura Sedcom Libris, Iași, 2006.</li> <li>3. Quality assurance for PET and PET/CT systems - Vienna: International Atomic Energy Agency, 2009. available online <a href="https://www.iaea.org/publications/8002/quality-assurance-for-pet-and-pet/ct-systems">https://www.iaea.org/publications/8002/quality-assurance-for-pet-and-pet/ct-systems</a></li> <li>4. Quality assurance programme for computed tomography: diagnostic and therapy applications - Vienna: International Atomic Energy Agency, 2012. available online <a href="https://www.iaea.org/publications/8751/quality-assurance-programme-for-computed-tomography-diagnostic-and-therapy-applications">https://www.iaea.org/publications/8751/quality-assurance-programme-for-computed-tomography-diagnostic-and-therapy-applications</a></li> <li>5. Quality assurance programme for digital mammography - Vienna: International Atomic Energy Agency, 2011. available online <a href="https://www.iaea.org/publications/8560/quality-assurance-programme-for-digital-mammography">https://www.iaea.org/publications/8560/quality-assurance-programme-for-digital-mammography</a></li> </ol>	<p><b>Dosarul 80%</b> date: 15th of June 2020, hour 13 place: Laboratorul de Fizica atomului și moleculei</p> <p><b>Prelegerea academică 20%</b> date: 15th of June 2020, hour 12 place: Laboratorul de Fizica atomului și moleculei</p>
15	GEOGRAPHY and GEOLOGY	Geography	8	Professor	Integrated monitoring of the environment; Special problems of environmental chemistry; Environmental	5567	<p><b>THEME:</b> (1) Integrated monitoring of the environment: <i>Spectral techniques for monitoring and characterizing pollutants from different environments</i>; (2) Special problems of environmental chemistry: <i>Areas of application of mass spectrometry. Applications of ICP-MS spectrometric methods</i>; (3) Environmental Project Management. Environmental Balances and Impact Studies:</p>	<p><b>File - 80%</b> Date: 16.06.2020; Hour: 12<sup>00</sup>; The place: sala 655.</p> <p><b>Academic Lecture - 20%</b> Date: 16.06.2020;</p>

				<p>Project Management. Environmental Balances and Impact Studies.</p>	<p><i>Environmental assessments and impact assessments – Environmental Management Tools (EMIS)</i></p> <p><b>BIBLIOGRAPHY (1)</b></p> <p>Mihaescu R., 2014, Monitoringul integrat a mediului, Cluj – Napoca.</p> <p>Cretescu I., Soreanu G., 2013, Tehnologii de achizitie, monitorizare si diagnoza a calitatii factorilor de mediu, Ed. Ecozone, Iasi.</p> <p>Kim Y J., Platt U., 2008, Advanced Environmental Monitoring, Springer Netherlands.</p> <p>Patnaik, P., 1997, Handbook of Environmental Analysis: Chemical Pollutants in Air, Water, Soil, and Solid Waste, CRC Press.</p> <p>Acevedo M. F., 2016, Real-Time Environmental Monitoring Sensors and Systems, CRC Press -Yazikov E.G., Talovskaya A.V., Nadeina L.V., 2013, Geoecological environmental monitoring: Tomsk Polytechnic University. Tomsk: TPU Publishing House, 131 p.</p> <p><b>BIBLIOGRAPHY (2)</b></p> <p>de Hoffmann E., Stroobant V., 2007, Mass Spectrometry, Principles and Applications, John Wiley &amp; Sons Ltd, England.</p> <p>Thomas R. J., 2004, Practical Guide to ICP-MS, Marcel Dekker, Inc., New York.</p> <p>Sylvester P.J., 2008, Ed., Laser-Ablation-ICP-MS in the Earth Sciences: Principles and Applications, Short Course Series, Vol. 29, Mineralogical Association of Canada, St. Johns, Newfoundland.</p> <p>Cornelis R., Heumann K.G., Caruso J., Crews H. (Eds.), 2003, Handbook of Elemental Speciation, Techniques and Methodology, 1, Wiley, New York.</p> <p>Barca, D., Belfiore, C.M., Crisci, G.M. <i>et al.</i>, 2010, Application of laser ablation ICP-MS and traditional techniques to the study of black crusts on building stones: a new methodological approach. <i>Environ Sci Pollut Res</i> <b>17</b>, 1433–1447.</p> <p><b>BIBLIOGRAPHY (3)</b></p> <p>Macoveanu M., 2005, Metode si tehnici de evaluare a impactului asupra mediului. Editia a II, a Editura ECOZONE, Iasi.</p> <p>Murali I., Manickam K. V., 2017, Environmental Management. Science and Engineering for Industry. 1st Edition, Butterworth-Heinemann Press.</p> <p>Glasson J., Therivel R., Chadwick A., 2012, Introduction to Environmental Impact Assessment, Routledge <b>Natural and Built Environment</b> series.</p> <p>George C., Kirkpatrick C., 2007, Impact Assessment and</p>	<p>Hour: 11<sup>00</sup>; The place: Amf. 627.</p>
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						Sustainable Development European Practice and Experience, Edward Elgar Publishing Limited. Helming K., Pérez-Soba M. Tabbush P. (Eds.), 2008, Sustainability Impact Assessment of Land Use Changes, Springer-Verlag Berlin Heidelberg. Barrow C., 2006, Environmental Management for Sustainable Development, Taylor and Francis.	
16	GEOGRAPHY AND GEOLOGY	Geography	24	Associate professor	Physical Geography of Romania; Natural Tourism potential of Romania; Geomorphology	4793  <b>THEME:</b> (1) Geomorphology: <i>Geological geomorphology, Sculptural morphogenetic systems (morphosculpture), The marine morphogenetic system, Morphoclimatic systems, Anthropomorphogenesis</i> ; (2) Physical Geography of Romania; (3) Natural Tourism potential of Romania. <b>BIBLIOGRAPHY (1)</b> Carlton R. (2007) Fundamentals of Fluvial Geomorphology, Routledge, 240 p. Chorley R.J., Beckinsale R.P., Dunn A.J. (1990) The History of the Study of Landforms or the Development of Geomorphology. Methuen & Co, 986 p. Goudie A. (2013), Encyclopedia of Geomorphology. Routledge, 2333 p. Huggett R. J. (2007), Fundamentals of Geomorphology. Routledge, Taylor & Francis, 467 p. Rădoane Maria, Rădoane N. (2007), Geomorfologie aplicată, Editura Universității din Suceava, 377 p. Rădoane Maria, Dumitriu D., Ichim I. (2006), Geomorfologie (2 vol.). Editura Universității din Suceava. Hengl T., Reuter H.I. (2009), Geomorphometry: Concepts, Software, Applications, Elsevier, 772 p. Schroder J. (ed.) (2013), Treatise on Geomorphology (7 vol.). Elsevier, 6386 p. Summerfield M.A. (2014) Global geomorphology, Routledge, 560 p. Reynard E., Coratza P., Regolini-Bissig G. (eds.) (2009), Geomorphosites, Verlag Dr. Friedrich Pfeil, München, 240 p. Reynard E., Brilha J. (ed.) (2017), Geoheritage: Assessment, Protection, and Management, Elsevier, 482 p. Ritter D.F., Kochel R.C., Miller J.R. (2012) Process Geomorphology, Waveland Press, 652 p. Rhoads B.L., Thorn C., eds. (1996) The scientific nature of geomorphology. Wiley, 481 p. Thorn C. (1988) Introduction to Theoretical Geomorphology, Springer, 270 p. <b>BIBLIOGRAPHY (2)</b> Vespremeanu-Stroe A., Rădoane M. (ed.) (2017), Landform Dynamics and Evolution in Romania,	<b>File - 80%</b> Date: 16.06.2020; Hour: 11 <sup>00</sup> ; The place: sala 661.  <b>Academic Lecture - 20%</b> Date: 16.06.2020; Hour: 10 <sup>00</sup> ; The place: sala. 658.

							Springer Geography, 865 p. Posea G., Popescu N., Ilenicu M. (1974), Relieful României, Editura Științifică, București, 483 p. Bojoi I. (2000), Geografia fizică a României, Editura Universității <b>BIBLIOGRAPHY (3)</b> Cândea M., Simion T. (2006) Potențialul turistic al României, Editura Universitară, București Glăvan V. (2006) Potențialul turistic și valorificarea sa, Editura Fundației România de Mâine, București, 175 p. Reynard E., Coratza P., Regolini-Bissig G. (eds.) (2009), Geomorphosites, Verlag Dr. Friedrich Pfeil, München, 240 p. Posea G. (2012) Relieful resursă de bază a turismului. Geomorfodiversitate și geomorfosuri, Editura Fundației România de Mâine, București, 660 p. Irimuș I.A. (2010) Relieful. Potențial și valorificare turistică, Risoprint, Cluj-Napoca. Reynard E., Brilha J. (ed.) (2017), Geoheritage: Assessment, Protection, and Management, Elsevier, 482 p.	
17	Computer Science	Computer Science	<b>6</b>	Professor at university	Advanced Software Engineering Techniques Software Engineering Supervising the Bachelor of Science research paper.	5567	* Ian Sommerville: Software Engineering, Addison Wesley, 2001 Craig Larman: Applying UML and Patterns, Addison Wesley, 2002 Erich Gamma, Richard Helm, Ralph Johnson, John Vissides: Design Patterns, Elements of Reusable Object-Oriented Software, Addison Wesley, 1998 Alain Abran, James W. Moore: Software Engineering Body of Knowledge, IEEE Computer Science, 2004. SOLID (The First 5 Principles of Object Oriented Design): <a href="https://scotch.io/bar-talk/s-o-l-i-d-the-first-five-principles-of-object-oriented-design">https://scotch.io/bar-talk/s-o-l-i-d-the-first-five-principles-of-object-oriented-design</a> SOLID principles with real world examples: <a href="http://blog.gauflin.org/2012/05/solid-principles-withreal-world-examples/">http://blog.gauflin.org/2012/05/solid-principles-withreal-world-examples/</a> MDA: <a href="http://en.wikipedia.org/wiki/Model-driven_architecture">http://en.wikipedia.org/wiki/Model-driven_architecture</a> CA Gen: <a href="http://www.ca.com/us/products/detail/ca-gen.aspx">http://www.ca.com/us/products/detail/ca-gen.aspx</a> AMDD: <a href="http://www.agilemodeling.com/essays/amdd.htm">http://www.agilemodeling.com/essays/amdd.htm</a> TDD: <a href="http://c2.com/cgi/wiki?TestDrivenDevelopment">http://c2.com/cgi/wiki?TestDrivenDevelopment</a> , <a href="http://en.wikipedia.org/wiki/Test-driven_development">http://en.wikipedia.org/wiki/Test-driven_development</a> EMF: <a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a> , <a href="http://www.devx.com/Java/Article/29093">http://www.devx.com/Java/Article/29093</a> IBM Rational Rose Data Modeler: <a href="http://www01.ibm.com/software/awdtools/developer/data_modeler/">http://www01.ibm.com/software/awdtools/developer/data_modeler/</a> BPMN: <a href="http://www.bpmn.org/">http://www.bpmn.org/</a>	<b>File</b> 80% date: 16.06.2020, hour 11:00 place: C308 <b>Academic lecture</b> 20% date: 16.06.2020, hour 10:00 place: C308

AOP:  
<http://onjava.com/pub/a/onjava/2004/01/14/aop.html>,  
[http://en.wikipedia.org/wiki/Aspect-oriented\\_programming](http://en.wikipedia.org/wiki/Aspect-oriented_programming)  
Chen, F., Roșu, G. MOP: An Efficient and Generic Runtime Verification Framework.OOPSLA'07, ACM press, pp 569-588, 2007  
Patrick Meredith and Grigore Rosu. 2010. Runtime Verification with the RV System, First International Conference on Runtime Verification(RV'10), Springer, Lecture Notes in Computer Science, 6418, 136-152  
SOA Examples:  
<http://www.ibm.com/developerworks/webservices/library/ws-soa-composite7/index.html>,  
<http://ittransform.abstraction.com/2009/09/sample-viewof-services-in-system.html>,  
<http://www.infoq.com/articles/soa-healthcare>  
Siegel, E. D.: Designing QoS solutions for the enterprise, 1999, <http://www.wiley.com/legacy/combooks/siegel/>  
Robert Cecil Martin: Design Principles and Design Patterns.2000.  
[http://www.objectmentor.com/resources/articles/Principles\\_and\\_Patterns.pdf](http://www.objectmentor.com/resources/articles/Principles_and_Patterns.pdf)  
Robert Cecil Martin. Agile Development. Principles, Patterns and Practices, Prentice-Hall, 2003  
Martin Fowler. Refactoring: Improving the Design of Existing Code. 1997.  
<http://jaoo.dk/jaoo1999/schedule/MartinFowlerRefactorin g.pdf>  
Software release life cycle:  
[http://en.wikipedia.org/wiki/Software\\_release\\_life\\_cycle](http://en.wikipedia.org/wiki/Software_release_life_cycle)  
Software Engineering Ethics:  
<http://www.acm.org/about/se-code>  
  
\* Ian Sommerville: Software Engineering, Addison Wesley, 2001  
Craig Larman: Applying UML and Patterns, Addison Wesley, 2002  
Erich Gamma, Richard Helm, Ralph Johnson, John Vissides: Design Patterns, Elements of Reusable Object-Oriented Software, Addison Wesley, 1998  
ArgoUML: <http://argouml-downloads.tigris.org/>  
Preview of Patterns in Java Volume 2:  
[http://www.mindspring.com/~mgrand/pattern\\_synopses2.htm](http://www.mindspring.com/~mgrand/pattern_synopses2.htm)  
Failure rate: [http://www.it-cortex.com/Stat\\_Failure\\_Rate.htm](http://www.it-cortex.com/Stat_Failure_Rate.htm)  
RUP in the dialogue with Scrum:  
<http://www.ibm.com/developerworks/rational/library/feb0>

						<a href="#">5/krebs</a> Agile Manifesto: <a href="http://agilemanifesto.org/">http://agilemanifesto.org/</a> Requirements analysis process: <a href="http://www.outsource2india.com/software/RequirementAnalysis.asp">http://www.outsource2india.com/software/RequirementAnalysis.asp</a> Chikofsky, E.J. and Cross, J.: Reverse Engineering and Design Discovery: A Taxonomy, January 1990 Junit Test Example: <a href="http://www.cs.unc.edu/~weiss/COMP401/s08-27-JUnitTestExample.doc">http://www.cs.unc.edu/~weiss/COMP401/s08-27-JUnitTestExample.doc</a> Bug Life Cycle: <a href="http://www.buzzle.com/editorials/4-6-2005-68177.asp">http://www.buzzle.com/editorials/4-6-2005-68177.asp</a> , <a href="http://qastation.wordpress.com/2008/06/13/process-for-bug-life-cycle/">http://qastation.wordpress.com/2008/06/13/process-for-bug-life-cycle/</a>	
18	Letters	Foreign languages and literatures	<b>16</b>	Associate professor	Culture, civilization and language/textual practice; Introduction to scientific research methods and to the use of the new technologies; English literature (semester 5); Elective course: Specificity of literary translation A (elective); Oral and written communication A2 (elective); Critical thinking, literary thinking; English literature (semester 2); Teaching practice (semester 2)	4793	<p>1.American travel writing 2. Literary vs non-literary translation 3. Methodology and principles of academic research 4. Ethnic American literature</p> <p><b>Application materials 80%</b> date: 15.06.2020 time: 10:00 a.m. place: room 3.15, Main building, 2nd floor</p> <p><b>Academic lecture 20%</b> date: 15.06.2020 time: 11:00 a.m. place: room 3.15, Main building, 2nd floor</p>
19	Mathematics	Mathematics	<b>23</b>	Associate Professor	Mathematical Software; Probability Theory and Stochastic Processes; Probability Theory; Teaching practicum (1 <sup>st</sup> sem.).	4793	<p>Numerical methods in Matlab for solving initial value problems for differential equations of first order. Numerical methods in Matlab for solving systems of first order differential equations with initial values. Numerical methods for solving initial value problems for higher order differential equations.</p> <p>Contious random variable: propability density function, numerical characteristics (expected value, variance), the inequality Markov-Cebâşev, examples of random</p> <p><b>File - 80%</b> - date: June 16, 2020 - hour: 9:00 a.m. - Online/Conference room, Faculty of Mathematics;</p>

					<p>variables.</p> <p>Assymptotic behaviour for sequences of random variables: definitions, caracterisations and connections between various types of convergences. Weak law of large numbers, Strong law of large numbers; Central limit theorem.</p> <p>The Poisson Processes: definitions, connections with exponential distributions, memoryless property, generalizations (nonhomogenous and compound Poisson Processes), examples.</p> <p>Markov chains: basic concepts, examples, the Chapman-Kolmogorov equation, various types of Markov chains, Random Walks, Limit Theorems.</p> <p>Stochastic Differential Equations: the construction of the Stochastic Integral, properties of the stochastic integral, Itô's formula.</p> <p><b>Bibliography:</b></p> <ol style="list-style-type: none"> <li>1) Geoffrey Grimmett, David Stirzaker, <i>Probability and Random Processes</i> (Third Edition), Oxford University Press, New York, 2001</li> <li>2) Sheldon Ross, <i>Stochastic Processes</i> (Second Edition), John Wiley &amp; Sons, New York, 1996</li> <li>3) Gheorghe Mihoc, Nicolae Micu, <i>Teoria probabilităților și statistică matematică</i>, Editura Didactică și Pedagogică, București, 1980</li> <li>4) Ionuț Florescu, Ciprian Tudor, <i>Handbook of Probability</i>, Wiley Handbooks in Applied Statistics, Wiley, 2013</li> <li>5) Amos Gilat, <i>MATLAB®. An Introduction with Applications</i> (Fifth Edition), Wiley, 2015.</li> </ol>	<b>Academic lecture - 20%</b> <ul style="list-style-type: none"> <li>- date: June 16, 2020</li> <li>- hour: 10:00 a.m.</li> <li>- Online/Conference room, Faculty of Mathematics</li> </ul>
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20	Mathematics	Mathematics	<b>24</b>	Associate Professor	Mathematical Statistics; Applied Statistics; Financial Mathematics (elective course).	4793	<p>Statistici de selecție (media de selecție, dispersia de selecție, momente de selecție, funcția de repartiție de selecție), Estimarea parametrilor (tipuri de estimatori, considerații generale, Teorema Rao-Cramer, metode de estimare a parametrilor), Teste statistice (considerații generale, tipuri de teste, erori, etapele unei testări statistică) Testul Z și testul t pentru medie, Testul <math>\chi^2</math> pentru dispersie, Test pentru proporție. Teste pentru diferența mediilor și raportul dispersiilor.</p> <p>Statistică inferențială, teste ne-parametrice (teste de semn, teste "run", teste pentru perechi de date, testul Wald-Wolfowitz, testul rang-semn, testul rang-sumă). Teste aleatoare. Corelații. Teste pentru corelarea coeficientilor. Regresie liniară simplă. Regresie multiplă.</p> <p>Modele de timp discret pentru piețe financiare. Piețe complete, fără arbitraj. Modelul discret general pentru piețe financiare. Piețe incomplete. Introducere în analiza stocastică (mișcarea Browniană, martingale). Introducere în teoria utilității. Aplicații în asigurări. Optimizări de portofolii (modele discrete și continui)</p> <p><b>Bibliografie:</b></p> <ul style="list-style-type: none"> <li>1) Gh. Mihoc, N. Micu: <i>Teoria probabilităților și statistică matematică</i>, București, 1980</li> <li>2) J.L. Devore, K.N. Berk, <i>Modern Mathematical Statistics with Applications</i>, second edition, Springer, 2012.</li> <li>3) D. Wackerly, W.Mendenhall, R.L. Scheaffer, <i>Mathematical Statistics With Applications</i>, Duxbury Press, 7th edition, 2007.</li> <li>4) D. Higham, <i>An Introduction to Financial Option Valuation: Mathematics, Stochastics and Computation</i>, Cambridge University Press (2004).</li> <li>5) J.C. Hull, <i>Options, Futures and Other Derivatives</i>, 6th Edition, Prentice Hall (2006).</li> </ul>
21	Faculty of Psychology and Education Sciences	Psychology	<b>15</b>	Associate Profesor	Construction and adaptation of psychological assessment tools; Experimental psychology; Computerized data analysis; Psychodiagnosis of skills; Bachelor's thesis guidance.	4793	<p><b>Themes:</b></p> <ol style="list-style-type: none"> <li>1.Experimental designs</li> <li>2.Internal validity of experimental studies</li> <li>3.Strategies for control in experimental studies</li> <li>4.T-test for comparisons between means</li> <li>5.One-way analysis of variance</li> <li>6.Two-way analysis of variance</li> <li>7.The Cattell-Horn-Carroll model of cognitive abilities</li> <li>8.Wechsler Intelligence Scales for Children</li> <li>9.Nonverbal intelligence tests: Raven's Progressive Matrices</li> <li>10.Item analysis in the construction and adaptation of psychological assessment tools</li> </ol> <p><b>Dosarul 80%</b> data: 16.06.2020, ora: 9:00 locul: Online/Sala de Consiliu – Facultatea de Matematică</p> <p><b>Prelegerea academică 20%</b> data: 16.06.2020, ora: 11:00 locul: Online/Sala de Consiliu – Facultatea de Matematică</p> <p><b>File 80%</b> data: 15 iunie 2020, hour 14.00 place: online</p> <p><b>Academic Lecture 20%</b> data: 15 iunie 2020, hour 15.00 place: Faculty Council Hall-Group / online dynamics</p>

11.Fidelity of psychological assessment tools  
12.Validity of psychological assessment tools

**Bibliography:**

- 1.Beal, A. L., Willis, J. O., & Dumont, R. (2013). *Psychological testing by models of cognitive ability*. In D. H. Saklofske, C. R. Reynolds, & V. L. Schwean (Eds.), *The oxford handbook of child psychological assessment* (pp. 445-473). New York: Oxford University Press.
- 2.Coolican, H. (2009). *Research methods and statistics in psychology*, Hodder Education, London.
- 3.Fischer J & Corcoran K (2007). *Measures for clinical practice: A sourcebook. 4nd Ed.*, New York: Oxford University.
- 4.Flanagan, D. P., Alfonso, V. C., Ortiz, S. O., & Dynda, A. M. (2013). *Cognitive assessment: Progress in psychometric theories of intelligence, the structure of cognitive ability tests, and interpretive approaches to cognitive test performance*. In D. H. Saklofske, C. R. Reynolds, & V. L. Schwean (Eds.), *The Oxford handbook of child psychological assessment* (pp. 239–285). New York: Oxford University Press.
- 5.Havâraneanu, C. (2000). *Cunoașterea psihologică a persoanei*, Iași: Polirom.
- 6.Havâraneanu, E.C. (2000). *Metodologia cercetării în științele sociale*. Editura Erota, Iași.
- 7.Howell, D. (2009). *Statistical methods for psychology*. Wadsworth, Cengage Learning.
- 8.Howitt, D., & Cramer, D. (2010). *Introducere în SPSS pentru psihologie*. Ediția a doua, Editura Polirom, Iași.
- 9.Kantovitz, B., Roediger, H. & Elmes, D. (2009). *Experimental psychology*. Ninth edition. Wadsworth, Cengage Learning.
- 10.Mitrofan, N & Mitrofan, L. (2005). *Testarea psihologică – inteligența și aptitudinile*, Iași: Polirom.
- 11.Sava, F. A. (2011). *Analiza datelor în cercetarea psihologică*. Editura ASCR, Cluj Napoca.
- 12.Stan, A. (2002). *Testul psihologic – evoluție, construcție, aplicație*, Iași: Polirom.

Associate Professor	13
<b>Professor</b>	8
<b>total</b>	<b>21</b>

