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| **UČNI NAČRT PREDMETA / COURSE SYLLABUS** | | | | | | | | | | | | | | | | | |
| **Predmet:** | | | Komunikacija v razvoju in raziskavah | | | | | | | | | | | | | | |
| **Course title:** | | | Communication in Research and Development | | | | | | | | | | | | | | |
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| **Študijski program in stopnja**  **Study programme and level** | | | | | **Študijska smer**  **Study field** | | | | | | | | **Letnik**  **Academic year** | | **Semester**  **Semester** | | |
| Podiplomski magistrski študijski program druge stopnje Elektrotehnika | | | | | Vse smeri | | | | | | | | 2 | | 1 | | |
| 2nd cycle masters study programme in Electrical Engineering | | | | | All study fields | | | | | | | | 2 | | 1 | | |
|  | | | | | | | | | | | | | | | | | |
| **Vrsta predmeta / Course type** | | | | | | | | | | | | Izbirni-splošni /elective general | | | | | |
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| **Univerzitetna koda predmeta / University course code:** | | | | | | | | | | | | 64307 | | | | | |
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| **Predavanja**  **Lectures** | **Seminar**  **Seminar** | | | **Vaje**  **Tutorial** | | | **Klinične vaje**  **work** | | | | **Druge oblike študija** | | | **Samost. delo**  **Individ. work** | |  | **ECTS** |
| 30 |  | | | 45 | | |  | | | |  | | | 75 | |  | 6 |
|  | | | | | | | | | | | | | | | | | |
| **Nosilec predmeta / Lecturer:** | | | | | Damijan Miklavčič | | | | | | | | | | | | |
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| **Jeziki /**  **Languages:** | | **Predavanja / Lectures:** | | | | slovenski /Slovenian | | | | | | | | | | | |
| **Vaje / Tutorial:** | | | | slovenski /Slovenian | | | | | | | | | | | |
| **Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:** | | | | | | | | |  | **Prerequisits:** | | | | | | | |
| Vpis v letnik predmeta | | | | | | | | |  | Enrolment in the year of the course | | | | | | | |
| **Vsebina:** | | | | | | | |  | | **Content (Syllabus outline):** | | | | | | | |
| Javno nastopanje, časovna omejitev in občinstvo, zbiranje in izbor podatkov ter informacij, določitev glavnega sporočila, izbor dokazov, plan predstavitve, priprava vizualnih pripomočkov in pisnega gradiva za občinstvo, priprava govora, izvedba in kritična ocena nastopa, odgovarjanje na vprašanja, pisanje povzetka, namen in struktura povzetka, izdelava in kritična ocena povzetka, poster kot oblika komunikacije, struktura in oblika posterja, pisanje članka, struktura članka in osnovna pravila pisanja člankov, ilustracija v strokovni in znanstveni literaturi. Pravila in napotki za pisanje diplome in priprave zagovora. | | | | | | | |  | | Public speaking, time constraints and the audience, collection and selection of data and information, determination of the main message, selecting of evidence, preparation of presentation and handouts, speech preparation, performance and critical evaluation of the presentation, answering questions, writing summary, the purpose and structure of the summary, poster as a form of communication and its critical evaluation, structure and design of a poster, structure of an article and basic rules of writing articles, illustrations in scientific and technical literature. Rules and guidelines for writing a diploma and preparing a defence. | | | | | | | |

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| **Temeljni literatura in viri / Readings:** | | | | | |
| 1. Blicq, R.S., Moretto, L.A., Writing Reports to Get Results, IEEE Press, 1995. 2. Markel, M., Writing in the Technical Filelds, IEEE Press, 1994. 3. Rugg, G., Petre, M., The Unwritten Rules of PhD Research, Open University Press, The McGraw-Hill Education, 2004. | | | | | |
| **Cilji in kompetence:** | |  | | **Objectives and competences:** | |
| Razvijanje komunikacijskih sposobnosti. Študentje bodo razvili splošne kompetence:  - komunikacijska spretnost,  - sposobnost argumentiranega zagovarjanja lastnih stališč in upoštevanje stališč drugih,  - sposobnost uporabe znanj in veščin v praksi. | |  | | Developing communication skills. General competencies that will be developed:  - communication skills,  - the ability of argumentative defense of own views and consideration of the views of others,  - ability to use knowledge and skills in practice. | |
| **Predvideni študijski rezultati:** | | |  | **Intended learning outcomes:** | |
| Znanje in razumevanje: razvoj komunikacijskih sposobnosti znotraj skupine; praktična uporaba: priprava predstavitev (pisna in ustna z uporabo vizualnih pripomočkov), poštevanje, kako drugi dojemajo in razumejo moje pisanje in moje predstavitve; prenosljive spretnosti: pisna in ustna priprava predstavitev, kritično vrednotenje dela drugih. | | |  | Knowledge and understanding : developing of communication abilities within the team; practical use: preparing presentation (written and verbal using visual aids), considering how others perceive and understand my writing and my presentation; transferable skills: written and verbal presentation preparation, critical evaluation of others work. | |
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| **Metode poučevanja in učenja:** | | |  | **Learning and teaching methods:** | |
| predavanja, vaje, domače delo, primeri, nastopanje, snemanje in analiza | | |  | Lectures, practical work, individual work, home work, preparation and presentation of seminars, examples, presenting, recording, analysis | |
| **Načini ocenjevanja:** | Delež (v %) /  Weight (in %) | | | | **Assessment:** |
| Ocene od 1 do vključno 5 so negativne, ocene od vključno 6 do 10 so pozitivne.  Preverjanje znanja: laboratorijske vaje, domača naloga in ustni izpit; pozitivna ocena laboratorijskih vaj in domače naloge je pogoj za pristop k ustnemu izpitu.  Prispevki k oceni:  domače naloge in laboratorij  ustni izpit | 80%  20% | | | | Negative grades: from 1 to 5  Positive grades: from 6 to 10  Positive evaluation of laboratory exercises and homework is a prerequisite for the final exam.  Contributions to final grade:  homework and lab  oral examination |
| **Reference nosilca / Lecturer's references:** | | | | | |
| 1. MIKLAVČIČ, Damijan. Objavljanje rezultatov raziskav - pisanje člankov. *Elektrotehniški vestnik*, 2010, letn. 77, št. 1, str. 75-84. 2. ERHATIČ ŠIRNIK, Romana (avtor, urednik), JARH, Orest (avtor, urednik), JARM, Tomaž, MAGJAREVIĆ, Ratko, MIKLAVČIČ, Damijan (avtor, urednik), REBERŠEK, Stanislav, ŠUHEL, Peter, ZUPANIČ SLAVEC, Zvonka, ZAZULA, Damjan*. Biomedicinska tehnika v Sloveniji: s tehniko do zdravja*. Ljubljana: Založba FE, 2015. 180 str., ilustr. ISBN 978-961-243-282-9. 3. MARJANOVIČ, Igor, MIKLAVČIČ, Damijan. Elektroporacija : močno orodje, uporabno v biologiji, biotehnologiji in medicini. *Življenje in tehnika*, 2011, letn. 62, št. 7/8, str. 34-43. 4. RASO, Javier, FERRARI, Giovanna, MIKLAVČIČ, Damijan. Applications of pulsed electric field for food processing - special issue. V: Training School on Applications of Pulsed Electric Fields (PEF) for Food Processing, University of Zaragoza (Spain), January 20-23, 2004. RASO, Javier (ur.), MIKLAVČIČ, Damijan (ur.), FERRARI, Giovanna (ur.). *Applications of PEF for food processing : special section on Applications of PEF for Food Processing*, (Innovative food science & emerging technologies, ISSN 1466-8564, vol. 29 (May 2015)). New York [etc.]: Elsevier Science, 2015, str. 1. 5. MIKLAVČIČ, Damijan (intervjuvanec). Velika perspektiva pri obravnavi bolnikov z bazalnoceličnim karcinomom : intervju : prof. Damijan Miklavčič o elektroporaciji pri zdravljenju raka. *Medicina danes*, ISSN 1855-5853, 23. sep. 2015, št. 11/12, str. 22-24. | | | | | |