

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

**Predmet:** Eksperimentalna psihologija  
**Course title:** Experimental Psychology

| Študijski program in stopnja<br>Study programme and level | Študijska smer<br>Study field                       | Letnik<br>Academic<br>year | Semester<br>Semester |
|---|---|----------------------------|----------------------|
| Psihosocialna pomoč (VS) /<br>Psychosocial support (BA)   | Program nima smeri /<br>Program has a single course | Drugi / Second             | Četrty /<br>Fourth   |
| Prva stopnja / First level                                |   |                            |                      |

**Vrsta predmeta / Course type**

Obvezni / Compulsory

**Univerzitetna koda predmeta / University course code:**

EP / EP

| Predavanja<br>Lectures | Seminar<br>Seminar | Vaje<br>Tutorial | Klinične vaje<br>work | Druge oblike<br>študija | Samost. delo<br>Individ.<br>work | ECTS |
|------------------------|--------------------|------------------|-----------------------|-------------------------|----------------------------------|------|
| 30                     |                    | 40               |                       |                         | 110                              | 6    |

**Nosilec predmeta / Lecturer:**

Doc. dr. Jana Krivec / Assist. Prof. Jana Krivec, Ph.D.

**Jeziki /  
Languages:**

**Predavanja /  
Lectures:** Slovenski / Slovenian, Angleški / English

**Vaje / Tutorial:** Slovenski / Slovenian, Angleški / English

**Pogoji za vključitev v delo oz. za opravljanje  
študijskih obveznosti:**

Ni posebnih pogojev.

**Prerequisites:**

No special prerequisites.

**Vsebina:**

- zgodovina osnovne predpostavke eksperimentalno psihološka znanosti,
- ključni pojmi in koncepti: eksperiment, odvisna in neodvisna spremenljivka, vzorec, hipoteze,
- eksperimentalni načrt,
- problematika operacionalizacije v eksperimentalnem načrtu,
- vrste eksperimenta in uporabljenih pripomočkov,
- objektivnost in veljavnost,
- etični standardi.

**Content (Syllabus outline):**

- history of the basic premise of experimental psychological science,
- key terms and concepts: experiment, dependent and independent variable, sample, hypotheses,
- experimental research design,
- challenges of operationalization in the experimental design,
- types of experiment and gadgets used,
- objectivity and validity,
- ethical standards.

**Temeljni literatura in viri / Readings:**

Kodeks poklicne etike psihologov. 2018. Dostopno na: [http://www.dps.si/wp-content/uploads/2018/06/KPE\\_2018.pdf](http://www.dps.si/wp-content/uploads/2018/06/KPE_2018.pdf).

Gradivo, obravnavano na predavanjih in vajah. / Materials discussed during lectures and tutorials.

*Priporočena literatura / Advised readings:*

COOLICAN, Hugh. *Research methods and statistics in psychology*. Psychology Press, 2017.

MANDLER, George. *A history of modern experimental psychology: From James and Wundt to cognitive science*. MIT press, 2011.

PASHLER, Hal. *Stevens' Handbook of Experimental Psychology, Methodology in Experimental Psychology*. John Wiley & Sons, 2004.

**Cilji in kompetence:**

Cilj predmeta je študentu približati eksperimentalno raziskovanje v psihologiji in sorodnih področjih ter jih naučiti pravilnega načina izvedbe eksperimenta ob zavedanju vseh prednosti in pomanjkljivosti takega načina raziskovanja.

## Pridobitev splošnih kompetenc:

- seznanjenost z raziskovalnimi metodami, postopki in procesi, sposobnost zbiranja in interpretiranja podatkov, razvoj kritične in samokritične presoje,
- etična refleksija in zavezanost profesionalni etiki,
- sposobnost uporabe virov in ustrezno citiranje virov,

**Objectives and competences:**

The objective of the course is to broaden the knowledge of students in the field of family law and thus to equip them with knowledge on how to conduct the necessary legal contemplation in future work cases.

## Acquisition of general competences:

- familiarity with research methods, procedures and processes, ability to collect and interpret data, development of critical and self-critical judgment,
- effective capability and commitment to professional ethics,
- ability to use sources and appropriate citation of sources,
- ability to document data and present them to the expert and general public.

- sposobnost dokumentiranja podatkov in njihove predstavitve strokovni in laični javnosti.

Pridobitev predmetno-specifičnih kompetenc:

- poznavanje in razumevanje osnovnih konceptov in metod v okviru področja socialne pomoči iz psihologije, medicine oziroma psihiatrije ter statistike in znanstvene metodologije,
- uporaba kritične refleksije in redne supervizije za ocenjevanje tako svojega dela kot tudi dela drugih,
- sposobnost zbiranja in interpretiranja ustreznih podatkov, potrebnih za oblikovanje kritične ocene (npr. glede potrebne psihosocialne intervence), katere sestavni del je refleksija s tem povezanih družbenih, strokovnih in etičnih vidikov.

Acquisition of course-specific competences:

- knowledge and understanding of basic concepts and methods in the field of social help, from psychology, medicine or psychiatry, statistics and scientific methodology,
- use of critical reflection and regular supervision for the purpose of evaluating work of one self and others,
- ability to collect and interpret the relevant data needed to form a critical assessment (eg regarding the necessary psychosocial intervention), of which the relevant social, professional and ethical aspects are an integral part.

#### **Predvideni študijski rezultati:**

Znanje in razumevanje:

Študent/ka:

- ima splošno znanje o načrtovanju in izvajanju eksperimentalnih raziskav,
- razume, kaj so prednosti in omejitve eksperimentalnih raziskav,
- razume etične standarde eksperimentalnih raziskav,
- je seznanjen z možnostmi in omejitvami uporabnosti eksperimentalnih metod v praksi,
- je sposoben napisati poročilo o svojih neodvisno izvedenih eksperimentalnih raziskavah,
- razvije sposobnost kritičnega vrednotenja "znanstvenih dokazov", predstavljenih v revijah, časopisih itd. (tudi v mednarodnem okolju).

#### **Intended learning outcomes:**

Knowledge and understanding:

Student:

- have general knowledge of how experimental research is planned and conducted,
- understand what are advantages and limitations of experimental research,
- have an understanding of ethical standards of experimental research,
- be familiar with possibilities and limitations of the applicability of experimental methods in practice,
- be able to write a report on their independently conducted experimental research,
- develop the capacity to critically evaluating "scientific evidence" presented in journals, newspapers, etc. (also in international environment).

**Metode poučevanja in učenja:**

- predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov),
- seminarske vaje (pisne refleksije strokovnih člankov, timsko delo, diskusija na obravnavane tematike vezane na predmet),
- uporaba spletne učilnice oziroma drugih sodobnih IKT orodij,
- eksperimentalne vaje, ki temeljijo na utrjevanju znanja, problemskem učenju, dodatni razlagi, diskusiji, kritičnem razpravljanju,
- individualne in skupinske konzultacije (diskusija, dodatna razlaga, obravnava specifičnih vprašanj).

**Learning and teaching methods:**

- lectures with active student participation (explanation, discussion, questions, examples, case-solving),
- seminars (written reflections on scientific articles, team work, discussing presented themes),
- use of online classroom or other contemporary ICT tools,
- experimental tutorials based on knowledge (strengthening, problem-learning, additional explanation, discussion, critical debate),
- individual and group consultations (discussion, additional explanation, consideration of specific issues).

Delež (v %) /

Weight (in %)

**Načini ocenjevanja:****Assessment:**

|   |              |   |
|---|--------------|---|
| <p>Obveznosti vaj z eksperimentalno nalogo</p> <p>Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja.</p> | <p>100 %</p> | <p>Tutorials with experimental task</p> <p>Grading scale - in accordance with the Rules of examination and evaluation of knowledge.</p> |
|---|--------------|---|

**Reference nosilca / Lecturer's references:***Izbrane publikacije / Selected publications:*

GAMS, Matjaž, KRIVEC, Jana. Demographic analysis of fertility using data mining tools. *Informatica: an international journal of computing and informatics*. [Tiskana izd.]. 2008, vol. 32, no. 2, str. 147-156.

GAMS, Matjaž, KRIVEC, Jana. Intelligent systems already influence our lives. *Transactions on internet research*. [Online ed.]. 2007, vol. 3, no. 2, str. 16-19.

GUID, Matej, BRATKO, Ivan, KRIVEC, Jana. An experiment in students' acquisition of problem solving skill from goal-oriented instructions. V: *Computation World 2012: July 22-27, 2012, Nice, France*. [S. l.]: IARIA, cop. 2012. Str. 159-164.

GUID, Matej, MOŽINA, Martin, KRIVEC, Jana, SADIKOV, Aleksander, BRATKO, Ivan. Learning positional features for annotating chess games: a case study. V: *HERIK, H. Jaap van den (ur.), et al.*

*Computers and games: 6th international conference, CG 2008, Beijing, China, September 29 - October 1, 2008: proceedings.* Berlin; Heidelberg; New York: Springer, cop. 2008. Str. 192-204.

IQBAL, Azlan, GUID, Matej, COLTON, Simon, KRIVEC, Jana, AZMAN, Shazril, HAGHIGHI, Boshra. *The digital synaptic neural substrate: a new approach to computational creativity.* [S. l.]: Springer, cop. 2016.

KRIVEC, Jana, GUID, Matej. The influence of context on information processing. *Cognitive processing.* 2020, str. 1-18.

KRIVEC, Jana, GUID, Matej, BRATKO, Ivan. Identification and characteristic descriptions of procedural chunks. V: DINI, Petre (ur.). *Proceedings. Computationworld 2009, Computation world: future computing, service computation, adaptive, content, cognitive, patterns,* 15-20 November 2009, Athens, Greece. New York: IEEE Computer Society, 2009. Str. 448-453.

KRIVEC, Jana, GAMS, Matjaž. Data mining techniques for explaining social events. V: FUNATSU, Kimito (ur.), HASEGAWA, Kyoshi (ur.). *Knowledge-oriented applications in data mining.* Rijeka: In-Tech, cop. 2011. Str. 39-52.

KRIVEC, Jana, STEPIŠNIK PERDIH, Tjaša. Comparison of self-perception between Slovenian, Finnish and Lebanese students = Primerjava samozaznave pri slovenskih, finskih in libanonskih študentih in študentkah. *Kairos: slovenska revija za psihoterapijo.* [Tiskana izd.]. 2019, letn. 13, št. 3/4, str. 155-175.

KRIVEC, Jana, RAKOVEC, Primož. Kognitivno-vedenjski profil stresne izkušnje med slovenskimi študentkami in študenti = Cognitive behavioral profile of stress experience among Slovenian students. *Kairos: slovenska revija za psihoterapijo.* [Tiskana izd.]. 2018, letn. 12, št. 1/2, str. 67-86.

MOŽINA, Martin, GUID, Matej, SADIKOV, Aleksander, GROZNIK, Vida, KRIVEC, Jana, BRATKO, Ivan. Conceptualizing procedural knowledge targeted at students of different skill levels. V: BAKER, Ryan S. J. D. (ur.), MERCERON, Agathe (ur.), PAVLIK, Philip I. (ur.). *Educational data mining 2010.* [S. l.: s. n., 2010. Str. 309-310.

ORAVECZ, Robert, PENKO, Jerica, SUKLAN, Jana, KRIVEC, Jana. Prevalence of post-traumatic stress disorder, symptomatology and coping strategies among Slovene medical emergency professionals. *Sigurnost.* [Tiskana izd.]. 2018, vol. 60, no. 2, str. 117-127.