### Course Information

<table>
<thead>
<tr>
<th>Course</th>
<th>Introduction to English Language Research Methods II – Analysing and Presenting Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>2021/2022</td>
</tr>
<tr>
<td>Study programme</td>
<td>English Language and Literature</td>
</tr>
<tr>
<td>ECTS</td>
<td>3</td>
</tr>
<tr>
<td>Department</td>
<td>Department of English</td>
</tr>
<tr>
<td>Level of study programme</td>
<td>☒ Undergraduate ☐ Graduate ☐ Integrated ☐ Postgraduate</td>
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<tr>
<td>Type of study programme</td>
<td>☒ Single major ☐ University ☐ Professional ☐ Specialized</td>
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<tr>
<td>Year of study</td>
<td>☒ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5.</td>
</tr>
<tr>
<td>Semester</td>
<td>☒ Winter ☐ Summer ☒ VI. ☐ VII. ☐ VIII. ☐ IX. ☐ X.</td>
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<tr>
<td>Status of the course</td>
<td>☒ Compulsory ☒ Elective ☐ Elective course offered to students from other departments</td>
</tr>
<tr>
<td>Teaching Competencies</td>
<td>☒ YES ☐ NO</td>
</tr>
<tr>
<td>Workload</td>
<td>15 L 30 S E</td>
</tr>
<tr>
<td>Internet sources for e-learning</td>
<td>☐ YES ☐ NO</td>
</tr>
<tr>
<td>Location and time of instruction</td>
<td>Monday 14:00-17:00; Room 143, Obala kralja Petra Krešimira IV. 2, Zadar</td>
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<tr>
<td>Language(s) in which the course is taught</td>
<td>English</td>
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<tr>
<td>Course start date</td>
<td>28/2/2022</td>
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<tr>
<td>Course end date</td>
<td>10/6/2022</td>
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<tr>
<td>Enrolment requirements</td>
<td>Students should be enrolled in 4th or 6th semester of the undergraduate programme at the Department of English</td>
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### Course Coordinator
- Assoc. Prof. Ivo Fabijanić, PhD
  - E-mail: ivo.fabijanic@unizd.hr
  - Consultation hours: TUE 8:00-9:00, WED 10:00-12:00 (or via online platform)

### Course Instructor
- Frane Malenica, PhD
  - E-mail: fmalenica@unizd.hr
  - Consultation hours: MON 12:00-14:00 (or via online platform)

### Assistant/Associate
- E-mail: Consultation hours

### Mode of teaching
- ☒ Lectures
- ☐ Seminars and workshops
- ☒ Exercises
- ☒ E-learning
- ☒ Field work
- ☒ Individual assignments
- ☒ Multimedia and network
- ☐ Laboratory
- ☐ Mentoring
- ☐ Other

### Learning Outcomes
Upon completing this course, the students will be able to:
- recognize the importance of statistical methods for processing date in linguistic research and their main traits;
- recognize and explain the difference between the main types of linguistic data;
- recognize the main types of descriptive and inferential statistical procedures and recognize the differences between them;
- design and conduct their own linguistic research and analyse the data.
collected within the scope of that research;  
- use questionnaires and surveys for collection of linguistic data;  
- conduct the appropriate procedures for analysing, summarising and describing collected quantitative linguistic data;  
- design and formulate their own research designs and hypotheses and test those hypotheses using appropriate statistical procedures;  
- summarize and present the results of their own linguistic research;  
- correlate the results of their research with the results of previous linguistic research;  
- explain and provide arguments for the choice of particular methods and ways of conducting research;  
- summarize and analyse the results of their research and evaluate the importance of those results within the contemporary scientific discoveries and theoretical models of language; and  
- apply the acquired research skills in the international scientific and professional environment.

### Learning outcomes at the Programme level

Upon completing this course, the students will be able to:

- take a critical and self-critical approach in discussion;  
- use scientific methods in their research;  
- apply ethical principles in individual and team problem-solving activities and research; and  
- evaluate the importance of working in the international context.

### Assessment criteria

| Assessment criteria       | ☐ Class attendance | ☒ Preparation for class | ☒ Homework | ☐ Continuous evaluation | ☒ Research | ☒ Practical work | ☐ Experimental work | ☐ Presentation | ☐ Project | ☒ Seminar | ☐ Test(s) | ☐ Written exam | ☐ Oral exam | ☐ Other: |
|---------------------------|--------------------|------------------------|------------|------------------------|-----------|-----------------|--------------------|----------------|-----------|-----------|-----------|-----------|----------------|------------|--------|

### Conditions for permission to take the exam

Minimum attendance of 70% in lectures and seminars

### Exam periods

<table>
<thead>
<tr>
<th>☐ Winter</th>
<th>☒ Summer</th>
<th>☒ Autumn</th>
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### Exam dates

<table>
<thead>
<tr>
<th>20/6/2022</th>
<th>2/7/2022</th>
<th>12/9/2022</th>
<th>26/9/2022</th>
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### Course description

Quantitative data are the backbone of research in all linguistic disciplines, which is why understanding and using appropriate methods for processing and analysing quantitative data is paramount for conducting linguistic research. The aim of this course is to present some of the most fundamental and the most commonly used methods for analysing quantitative data collected through empirical research and prepare the train the students how to use these methods in their own work. Within the scope of this course, the students will learn how to use a computer to process data collected through quantitative linguistic research, how to use appropriate statistical procedures for summarizing, describing and presenting collected data, how to formulate hypotheses and research questions and test them using appropriate statistical procedures, how to use computer programs for statistical analysis, how to formulate and write research proposals and reports, how to clearly and concisely present the results of their own research and how to form a critical opinion based on collected quantitative data.

### Course content

1. Introduction  
2. Types of variables (dependent/independent, numerical/categorical), variable levels, and types of measurement and scales, hypotheses  
3. Stages of the research process, research questions, research designs, samples  
4. Surveys and questionnaires I  
5. Surveys and questionnaires II
6. Discussion I  
7. Descriptive statistics I – Frequency, measures of central tendency, measures of dispersion  
8. Inferential statistics I – Normal distribution, probability, parametric and non-parametric tests  
9. Inferential statistics II – Chi-squared, degrees of freedom  
10. Inferential statistics III – T-test  
11. Inferential statistics IV – Analysis of variance (ANOVA)  
12. Inferential statistics V – Regression analysis, Pearson correlation coefficient  
13. Mid-term  
14. Presenting data I – Formulating a research proposal and a research report, writing tips  
15. Discussion II

**Required reading**

**Additional reading**

**Internet sources**

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<thead>
<tr>
<th>Assessment criteria of learning outcomes</th>
<th>Final exam only</th>
<th></th>
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<tbody>
<tr>
<td>☐ Final written exam</td>
<td>☐ Final oral exam</td>
<td>☐ Final written and oral exam</td>
</tr>
<tr>
<td>☐ Only test/homework</td>
<td>☒ Test/homework and final exam</td>
<td>☒ Seminar paper</td>
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**Calculation of final grade**
- Mid-term/Final exam – 30%  
- Conducting individual research and presenting the results – 40%  
- Participation in discussions – 30%

**Grading scale**
- <60% % Failure (1)  
- 60-69.99% % Satisfactory (2)  
- 70-79.99% % Good (3)  
- 80-89.99% % Very good (4)  
- >90% % Excellent (5)

**Course evaluation procedures**
- ☒ Student evaluations conducted by the University  
- ☒ Student evaluations conducted by the Department  
- ☒ Internal evaluation of teaching  
- ☒ Department meetings discussing quality of teaching and results of student evaluations

**Note /Other**
- In accordance with Art. 6 of the *Code of Ethics* of the Committee for Ethics in Science and Higher Education, “the student is expected to fulfil his/her obligations honestly and ethically, to pursue academic excellence, to be civilized, respectful and free from prejudice.”
- According to Art. 14 of the University of Zadar's *Code of Ethics*, students are expected to “fulfil their responsibilities responsibly and conscientiously. […] Students are obligated to safeguard the reputation and dignity of all members of the university community and the University of Zadar as a whole, to promote moral and academic values and principles. […] Any act constituting a violation of academic honesty is ethically prohibited. This includes, but is not
limited to:
- various forms of fraud such as the use or possession of books, notes, data, electronic gadgets or other aids during examinations, except when permitted;
- various forms of forgery such as the use or possession of unauthorised materials during the exam;
impersonation and attendance at exams on behalf of other students; fraudulent study documents;
forgery of signatures and grades; falsifying exam results.”
All forms of unethical behaviour will result in a negative grade in the course without the possibility of compensation or repair. In case of serious violations the Rulebook on Disciplinary Responsibility of Students at the University of Zadar will be applied.

In electronic communications only messages coming from known addresses with a first and a last name, and which are written in the Croatian standard and appropriate academic style, will be responded to.

This course uses the Merlin system for e-learning, so students are required to have an AAI account.

Statistical programs are used for the purpose of this course, which is students should have and use their own laptops.