| INF2793 | TÓPICOS DE INTERAÇÃO HUMANO-COMPUTADOR IV  
*Research Design & Academic Writing* |
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<td>CARGA HORÁRIA TOTAL: 45h</td>
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<td>Pré-requisito: n/a</td>
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| OBJETIVOS | To help students plan, conduct, and analyze their research projects  
To help students prepare their work for publication. |

| EMENTA | Introduction to research design; literature review; proposal and paper structure; argumentation; presentation; qualitative research design and analysis; quantitative research design and analysis; basic descriptive and inferential  
statistics; reporting research and communicating data visually. |

| PROGRAMA | 1. Introduction to Research Design: qualitative, quantitative and mixed  
methods approaches  
2. (Systematic) Literature Review  
3. Proposal and Paper Structure  
4. Argumentation: Claims, Warrants, and Evidence  
5. Presenting your Work: content, design, and delivery  
6. Communicating data visually  
7. Qualitative research design and analysis  
8. Quantitative research design and analysis  
9. Basic descriptive and inferential statistics  
10. Common writing mistakes and language issues |

| AVALIAÇÃO | Evaluation  
Students will go through the process of research design, execution, analysis and  
reporting. Their evaluation on the course will consider:  
their participation in class  
presentations given in class  
a paper or monograph resulting from their work |
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<tr>
<th>BIBLIOGRAFÍA PRINCIPAL</th>
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<th>BIBLIOGRAFÍA COMPLEMENTAR</th>
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<td>The following references will be complemented by selected papers.</td>
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</table>

**General**

**Research Design**

**Literature Review**
- Reid, M.; Taylor, A.; Turner, J.; Shahabudin, K. *University Study Advice team & Learn Higher CETL (Reading)*. Available online at: [www.reading.ac.uk/studyadvice](http://www.reading.ac.uk/studyadvice)
Analyzing Data - Qualitative

Analyzing Data - Quantitative

Case Study

HCI Research Methods

Making an Argument

Reporting Research