EDUC - Online event
December 1\textsuperscript{st} 2020

Students session

\textit{Introduction to research and research opportunities}

Alessandra Carucci, University of Cagliari (Italy)
Online and blended learning opportunities for students

Online programme
Critical thinking in research and beyond

AIM: to raise awareness about research among students at undergraduate level, to develop their critical thinking skills.

WHO CAN PARTICIPATE: Bachelor 1st level students

HOW: the programme will be accessible online from March 2021 for the EDUC University students at Bachelor level (year 2 and 3), through the EDUC platform.
Critical thinking in research and beyond programme

6 modules

- Identification of a scientific question
- Bibliographic research and tools
- Selection of instruments to resolve a scientific question
- Basis of scientific integrity
- Presentation of the research professions
- Elements of a European research project

Testimonials on concrete cases and best practices focusing on societal challenges
Short Internships

- **AIM**: To give students the opportunity to experience closely how a research is carried out in EDUC’ partners universities;

- **WHO CAN PARTICIPATE**: students who successfully complete the online programme on Critical Thinking will have the opportunity to benefit from one-week internship in one of the Laboratories of the Alliance.

- **WHEN**: year 2021/22
Research opportunities for students:

1. Virtual Journal Clubs
2. Internships (short and long)
3. Transnational seminars on 7 thematic areas
1. Virtual Journal Clubs

**AIM:** to develop students’ critical thinking and show them how a research is organized and presented to the scientific community.

- Researchers select scientific papers and provide students with background information and methodologies for the critical analysis.
- Students, in small international groups, analyze and discuss the articles in virtual modalities.
- The working groups share the outcomes and compare the study methodologies used and results obtained.
1. Virtual Journal Clubs

WHO CAN PARTICIPATE:
• **Master students.** 20 students for each class selected both through direct involvement by teachers and through a public announcement.

**WHEN:** 4 VJCs in 2021 and 2022
2. Long-term research internships

- **AIM**: to allow students to become acquainted with the research methods and practical skills.

- **WHO CAN PARTICIPATE**: Bachelor and Master students (72 Bachelor and Master students’ mobilities for 3-month research traineeships will be granted).

- **ORGANIZATION**: laboratories in the research areas identified for the transnational seminars will host a maximum of 3 Bachelor and 3 Master students for 3-month research internships.
3. Transnational research seminars

**AIM:** to encourage and strengthen cooperation in the 7 research topics identified by the Alliance to address common challenges and missions

- The topics balance hard sciences and socio-humanities, and address societal challenges which can benefit from cross-disciplinary contributions and the direct involvement of local ecosystems and policy makers.

- Participants should carry out research in the field of the chosen seminar and be prepared to present and discuss their work with peers from the other Universities, and to participate actively in team discussions.
## 7 transnational research seminars

<table>
<thead>
<tr>
<th>Research topics</th>
<th>Date</th>
<th>Location</th>
<th>Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Life Long Health and Wellbeing</td>
<td>18-19 March 2021</td>
<td>University of Pècs (Hungary)</td>
<td>5th January 2021</td>
</tr>
<tr>
<td>2 Culture and heritage</td>
<td>24th March 2021</td>
<td>University of Paris Nanterre (France), online</td>
<td>5th January 2021</td>
</tr>
<tr>
<td>3 Justice, inequality and inclusion</td>
<td>25th March 2021</td>
<td>University of Paris Nanterre (France), online</td>
<td>5th January 2021</td>
</tr>
<tr>
<td>4 Mobility / Smart cities</td>
<td>8-9 April 2021</td>
<td>University of Rennes 1- (France)</td>
<td>31st January</td>
</tr>
<tr>
<td>5 European Union Studies</td>
<td>21-22 April 2021</td>
<td>University of Cagliari (Italy)</td>
<td>31st January</td>
</tr>
<tr>
<td>6 Sustainable Changes: climate and resources</td>
<td>End of June / beginning of July 2021</td>
<td>University of Potsdam (Germany)</td>
<td>30th April</td>
</tr>
<tr>
<td>7 Cyber Security and Artificial Intelligence</td>
<td>Fall 2021</td>
<td>University of Masaryk (Czech Republic)</td>
<td>30th April</td>
</tr>
</tbody>
</table>
3. Transnational seminars

- **WHO CAN PARTICIPATE:** Researchers and PhD students. For each seminar 2 Researchers and 5 PhD students from each EDUC University will be selected → their travel and subsistence costs will be covered by EDUC.

- **HOW TO APPLY:** a call for participation will be published by each EDUC University at the beginning of December 2020
Thank you for your attention