Double Degree Professional Master Program in Mathematics

ULM UNIVERSITY (Germany)

and TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV (Ukraine)
Facts about the Program

- since 2012: general exchange agreement
  since 2016: double degree program

- since then more than 20 participating students from Kyiv

- annual expected cohort of 10 students,
  exact number depends on quality and number of applications

- aims & goals
  - international collaboration and exchange of ideas between universities
  - promote intercultural exchange among students
  - provide students with knowledge in the fields of finance and mathematics
Structure of the Program

- duration: 2 years (4 semesters)
- 2 semesters at each university:
  - winter semester at the partner university
  - summer semester at the home university
- participation in online courses
- curriculum is defined in the agreement (all courses in English)
  - table of equivalent courses
  - updated as required
  - credits are recognized and transferred
- joint supervision of Master’s thesis by both universities
- concludes with two Master’s degrees
  - Master of Science in Finance (Mathematics) from Ulm
  - Master of Mathematics (Statistics) from Kyiv
Exemplary transfer of credits

<table>
<thead>
<tr>
<th>According to Master in Finance Curriculum Ulm</th>
<th>Taken by the student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Course</td>
</tr>
<tr>
<td>Ulm</td>
<td>Asset Pricing</td>
</tr>
<tr>
<td>Ulm</td>
<td>Continuous Time Financial Mathematics</td>
</tr>
<tr>
<td>Ulm</td>
<td>Practical Financial Engineering</td>
</tr>
<tr>
<td>Ulm</td>
<td>Risk Management Roundup</td>
</tr>
<tr>
<td>…</td>
<td>…</td>
</tr>
<tr>
<td>Ulm</td>
<td>Electives Mathematics</td>
</tr>
<tr>
<td>Ulm</td>
<td>Electives Financial Economics</td>
</tr>
<tr>
<td>Ulm</td>
<td>Electives</td>
</tr>
<tr>
<td>Ulm</td>
<td>Additional Key Qualification</td>
</tr>
<tr>
<td>Ulm</td>
<td></td>
</tr>
<tr>
<td>Ulm</td>
<td>Seminar</td>
</tr>
<tr>
<td>Ulm</td>
<td></td>
</tr>
<tr>
<td>Ulm</td>
<td>Master’s thesis</td>
</tr>
<tr>
<td>Ulm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compulsory courses</th>
<th>Electives</th>
<th>Other</th>
</tr>
</thead>
</table>

Prof. Dr. Evgeny Spodarev, Niklas Paluszkiewicz, Leonie Langer

May 4, 2023
History of the Program

- initiation:
  - personal contacts between the Institute of Stochastics (UUlM) and the Chair of the Institute of Probability Theory and Statistics (KNU)
  - shared vision of a student exchange program

- previous funding:
  - 2014-2016: DAAD Internationale Studien- und Ausbildungspartnerschaften (ISAP)
    - Student Exchange
    - Lecturer Mobility
  - 2015 – up to now: Baden-Württemberg Scholarships
  - 2018-2020: DAAD Eastern Partnerships
    - Exchange of young academics
    - Lecturer Mobility
Further details

- each university offers language courses in the local language (as provided in the agreement)
- no tuition fees (agreement is based on reciprocity)
- admission criteria may differ for double-degree applicants (e.g. certificate of language proficiency)
- advantages for participants:
  - two degrees in four semesters (standard period of study)
  - extended course selection
  - internationality
Contact

Prof. Dr. Evgeny Spodarev
evgeny.spodarev@uni-ulm.de

Niklas Paluszkiewicz
niklas.paluszkiewicz@uni-ulm.de

Leonie Langer
international.mathematics@uni-ulm.de