Kick off meeting - Rome, March 14-18

University of Petra - UOP- (Jordan)

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UOP Location & Map

- UOP is located in Amman city
- on 180,000 m²
UOP Profile

- Private HEI, established since 1991
- 7 Faculties, 26 Bachelor Programs & 6 Master programs
- 7100 Students, 20% international students
- Academic Staff/Administrative Staff ratio 1:1
Staff / Students Ratio 1: 25
- Quality Assurance Certificate 2015
- Green Campus
UOP Profile

UOP Faculties:

1 – Architecture & Design
2 – Arts & Sciences
3 – Information Technology
4 – Pharmacy & Medical Sciences
5 – Administrative & Financial Sciences
6 – Law
7 – Mass Communication

26 Bachelor Programs & 6 Master programs
UOP Profile (The Faculty of Architecture)
UOP Profile

UOP centers:
1. E-Learning Center
2. Continuing Education Center
3. Language Center
4. Innovation Center
5. Pharmaceutical Center
6. ICT & Control Center
7. Academic Development Center
8. Free WiFi within the campus
UOP & EU Funded Projects

- UOP staff has participated in Several EU Funded projects.
  - FP7, Tempus, Erasmus Mundus, Erasmus+, etc..
- Tens of bilateral agreements with EU & international HEIs.
- UOP established OFFER office to deal with External funding for research projects
- To build a Strong collaboration relationships with European, Mediterranean & in particular with Jordanian counterparts.
Working group

Project Team
- Faculty of Architecture & Design
  - Dr Hadeer Merza / Faculty Dean
  - Dr. Fatima Al Nammari / faculty staff
- Faculty of Information Technology
  - Dr. Ali Al Maqosui / OFFER Director
  - Dr. Tatiana Balikhina / faculty staff

Prof Badran, the UOP Chancellor is one of the leaders in the region specialized in Environment, Energy & Renewable Energy (Masder Institute Board of Trustees Member & AFED Chairman of Board of Trustees (2008))
The faculty of Information Technology held in 2013 an international conference on ICT applications for Renewable Energy systems, the conference will be held in May next year.
The team has been involved in designing and building UOP 1.5 MW RE system to generate Electricity for university consumption.
Working group (Cont.)

Berlin University and Petra University were jointly invited by the German Development Cooperation (GIZ) and United Nations Relief and Works Agency (UNRWA) to conduct an international student workshop in Jerash Refugee Camp, Jordan.
Examples from students’ work that integrate energy planning with urban design

Students include design elements that enhance energy saving, and energy generation such as solar panels, electrical cars charging, etc.
Target Curricula

Description of the educational curricula offered by UOP
(Petra University/ Faculty of Architecture & Design, Department of Architecture)

A: UNIVERSITY REQUIREMENTS:

9400151 Ecology (3:3-0)

B: FACULTY REQUIREMENTS:

201432 Local and Regional Architecture (3-3-0)
201416 Architectural Design (6) (4-0-4)
201562 Urban Planning & Design (4-0-4)
201565 Urban Planning (3-3-0)
201421 Building Legislation and Professional Practice (3-3-0)
201424 Construction Project Management (3-3-0)
201545 Environmental Design (3-3-0)
Target Curricula

201545 Environmental Design (3-3-0)

Introduction to climatic factors and their effects on buildings, neighborhoods, cities, & regions including natural and mechanical systems for maintaining sustainable and ecological and environmental considering all aspects regarding social and environmental sustainability.

Course Description:
Our built environment has a substantial impact on energy and material resources as well as being a critical determinant of health, comfort, and productivity for occupants. In response, there are numerous local, national, and international entities adopting green, sustainable criteria for new construction and renovations. This course approaches sustainable development for buildings by examining physiology required for human function and then by considering how building components and systems affect human performance and well being. Sustainable development starts with site planning and evaluation, and proceeds through construction, commissioning, and occupancy phases.
## Target Curricula

Students to be involved in task 2.4

<table>
<thead>
<tr>
<th>Courses</th>
<th>Level</th>
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</thead>
<tbody>
<tr>
<td>201416 Architectural Design (6)</td>
<td>(4-0-4) Year 4</td>
</tr>
<tr>
<td>201562 Urban Planning &amp; Design</td>
<td>(4-0-4) Year 5</td>
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Educational Models

UOP model: 5 Years Architecture Bachelor Program (165 Credit Hours)

- structure of the courses (duration: 1 course (16 weeks), 3 (4) credit hours, 3 (8) contact hours/week, usual number of students per course: 25 (15 – 20) students per section, lecture (project based))
- most used “tools” (frontal lecture, projects & labs)
- availability of e-learning platform or other web based tools (Moodle + Blackboard)
- level of diffusion/use of concept maps No
- level of diffusion/use of GIS No
- point out if the education model your organization is following can be considered in your country ordinary

(University of Petra Ali Al Maqousi)
Kickoff meeting - Rome, March 14-18 (Partner organization name and speaker’s name)

Thank You