American University of Beirut

STUDENT ORIENTATION 2015-2016
- August 25, 2015 -

Department of
LANDSCAPE DESIGN AND ECOSYSTEM MANAGEMENT (LDEM)
What is landscape architecture?
Landscape Architecture is the design profession concerned with the design, planning, management and stewardship of the land.

Landscape architects design and plan to achieve the best use of land resources. Applying both art and science, landscape architects provide consulting services, prepare plans, and facilitate projects that create a balance between the needs and wants of people and the limitations of the environment.

(ASLA; [http://www.akasla.org/resources/What-is-LA](http://www.akasla.org/resources/What-is-LA))
Types of projects include:

- School and college campuses
- Corporate and commercial grounds
- Public gardens and arboreta
- Historic preservation and restoration
- Hotels, resorts, golf courses
- Hospital and other facility sites
- Interior landscapes
- Land planning
- Landscape art and earth sculpture
- Monument grounds

- Parks and recreation
- Land reclamation and rehabilitation
- Residential sites
- Security design
- Streetscapes and public spaces
- Therapeutic gardens
- Transportation corridors and facilities
- Urban and suburban design
- Water resources
Department of Landscape Design and Ecosystem Management (LDEM)

2000: A B. Sc. in Landscape Design and Eco-Management with a Diploma of Ingenieur Agricole

2007: Department of Landscape Design and Ecosystem Management was established. It houses two programs

2013: Establishment of the Bachelor of Landscape Architecture (BLA)

2014: BLA registered at NYSED
LDEM Full-Time Faculty Members

Dr. Rami Zurayk
Chairperson /Professor
Soil Sciences/Ecosystem Management

Dr. Yaser Abunnasr
Assistant Professor
Landscape Architecture

Mrs. Nayla Al-Akl
Assistant Professor
Landscape Architecture

Mrs. Monika Fabian
Instructor/Greenhouse supervisor
Horticulture

Dr. Nadim Farajalla
Associate Professor
Water Resources

Dr. Mehran Madani
Assistant Professor
Landscape Architecture

Dr. Salma Talhouk
Professor
Landscape Horticulture

Dr. Maria Gabriella Trovato
Assistant Professor
Landscape Architecture
LDEM Part-Time Faculty Members
(Fall 2015-2016)

Mr. George Battikha
Senior Lecturer

Mr. Wissam Melhem
Lecturer

Mrs. Hala Chmaitelly
Lecturer

Ms. Joelle Baroud
Lecturer

Mr. Bachar El-Amine
Lecturer

Mr. Ramzi Mezher
Lecturer

Mrs. Alicia Denris
Lecturer

Ms. Yasmina Choueiri
Lecturer
Part-time Faculty (continued)

Mrs. Sara Hage
Lecturer

Mr. Mohamad El-Zein
Lecturer

Mrs. Nahida Khalil
Lecturer

Mrs. Rania Abboud Melhem
Lecturer

Mr. Roland Riachi
Senior Lecturer

Mrs. Hana Alamuddin
Senior Lecturer
LDEM Faculty Members

The LDEM Department brings together professors and researchers from various disciplines.
LDEM Programs

Bachelor of Landscape Architecture (BLA)

BLA and Diploma in Ingenieur Agricole
Four Years Program
Recognized by The Syndicate of Engineers

Interfaculty Graduate Masters in
Environmental Sciences
(Major: Ecosystem Management (ECOM))
What You Will Learn

**Design Skills**
- Analysis
- Site Design
- Visual Thinking
- Presentation

**History and Theory**
- Theory of design
- Contemporary issues
- Environmental stresses
- History of landscape design

**Scientific Knowledge**
- Ecology
- Environment
- Ecosystems
- Materials

**Working With People**

**Creative Thinking**
- Sketching
- Models
- Technical Drawing
Where You Will Have An Impact

- **Residential Gardens**
  - Private Gardens
  - Roof Top Gardens
  - Real Estate

- **Nature Reserves**
  - Ecotourism: Recreation
  - Biodiversity: Protection

- **Villages and Rural Areas**
  - Community Development
  - Sustainability

- **Cities and Urban Regions**
  - Urban Network of Open Spaces
  - Cities
  - Parks
  - Open spaces
  - Plazas

- **Regional Settings**
  - Landscape Planning
  - Land Use
LDEM learning experience

- Studio Work
- Field Work
- Classroom Experience
- Student Related Activities
Program Aim

Adopting a holistic approach to knowledge acquisition

Adopting a holistic view of landscape and environment

Merging creative and scientific learning

Developing design and sustainable management skills for open spaces, natural and cultural resources and landscapes

Experiencing real projects with real issues and communities

Engaging students in experiential learning, seminars, internships, projects, consultancies, discussion sessions, exposure to private and public sector, exposure to visiting international professionals and academics
# LDEM Program Learning Outcomes (PLOs)

<table>
<thead>
<tr>
<th>LDEM PLOs</th>
<th>Learning Outcomes</th>
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</thead>
<tbody>
<tr>
<td>Interpret (evaluation) the landscape into its respective layers.</td>
<td></td>
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<tr>
<td>Integrate (synthesis) regional concerns (environmental, cultural, social, economic and spatial) into landscape architecture projects.</td>
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<tr>
<td>Incorporate (integrate, synthesis) principles of landscape history and theory.</td>
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<tr>
<td>Construct (synthesis) relationships between the elements of landscape architecture.</td>
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<tr>
<td>Integrate (synthesis) plants and plant communities as a component of sustainable landscapes.</td>
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<tr>
<td>Demonstrate understanding (application) of environmental, cultural, social, and economic issues affecting wellbeing of society.</td>
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<tr>
<td>Communicate (formulate, synthesis) ideas and concepts of landscape architecture orally, textually, graphically, and through multiple media.</td>
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<tr>
<td>Integrate skills (synthesis) in site design and implementation.</td>
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<tr>
<td>Integrate (synthesis) value and ethics in professional practice.</td>
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</tbody>
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Linking Program Aim, PLOs and CLOs

- Program Aim
- Program PLOs
- Course Learning Outcomes
  - Design Courses
  - History and Theory Courses
  - Computer Application Course
  - Communication Skills Courses
  - Professional Practice Course
  - Surveying Course
  - Construction/Engineering Courses
  - Landscape Sciences Courses
  - Plant Material Courses
## Curriculum for the Bachelor of Landscape Architecture and Diploma of Ingénieur Agricole

<table>
<thead>
<tr>
<th>Year I - Fall Semester</th>
<th>Year I - Spring Semester</th>
<th>Year I - Summer Semester</th>
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</thead>
<tbody>
<tr>
<td>Course</td>
<td>Credits</td>
<td>Course</td>
</tr>
<tr>
<td>LDEM 202 - Landscape Design Fundamentals I</td>
<td>4</td>
<td>LDEM 216 - Site Scale Design: Public Park and Private Garden</td>
</tr>
<tr>
<td>LDEM 200 - Landscape Technical Drawing</td>
<td>4</td>
<td>LDEM 217 - Soils in the Landscape [GE]</td>
</tr>
<tr>
<td>GEOL 210 – Geomorphology (Section 2)</td>
<td>3</td>
<td>LDEM 201 - Landscape Descriptive Drawing</td>
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<tr>
<td>LDEM 207 - Landscape Architecture History I [GE]</td>
<td>3</td>
<td>LDEM 291 - Surveying and Base Plan Development</td>
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<tr>
<td>ENGL 203 - Academic English [GE]</td>
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<td>LDEM 211 - Landscape Horticulture</td>
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<td><strong>Subtotal</strong></td>
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<th>Year II - Fall Semester</th>
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<th>Year II - Summer Semester</th>
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</thead>
<tbody>
<tr>
<td>Course</td>
<td>Credits</td>
<td>Course</td>
</tr>
<tr>
<td>LDEM 246 - Site Design I</td>
<td>6</td>
<td>LDEM 204 - Site Design II</td>
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<tr>
<td>LDEM 210 - Botany and Plant Ecology for LA</td>
<td>3</td>
<td>LDEM 230 - Water and the Environment</td>
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<td>LDEM 208 - Landscape Architecture History II [GE]</td>
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<td>STAT 210 - Elementary Statistics for the Sciences [GE]</td>
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<tr>
<td>LDEM 247 - Site Engineering I</td>
<td>3</td>
<td>LDEM 248 - Site Engineering II/Construction Material</td>
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<tr>
<td>LDEM 219 - Plant Material I</td>
<td>1</td>
<td>LDEM 220 – Plant Material II</td>
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<td><strong>Subtotal</strong></td>
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<th>Year III - Fall Semester</th>
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<th>Year III - Summer Semester</th>
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</thead>
<tbody>
<tr>
<td>Course</td>
<td>Credits</td>
<td>Course</td>
</tr>
<tr>
<td>LDEM 222 - Planting Design</td>
<td>4</td>
<td>LDEM 228 - Site Design in the Urban Context</td>
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<tr>
<td>LDEM 251 - Geographic Information System (GIS)</td>
<td>3</td>
<td>LDEM 263 - Landscape Appreciation and Site Analysis</td>
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<tr>
<td>LDEM 218 - Landscape Ecology</td>
<td>3</td>
<td>Social Sciences [GE]</td>
</tr>
<tr>
<td>ENGL 204 - Advanced Academic English [GE]</td>
<td>3</td>
<td>LDEM 290 - Professional Practice</td>
</tr>
<tr>
<td>Humanities Elective [GE]</td>
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<td><strong>Subtotal</strong></td>
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<tr>
<td><strong>Subtotal</strong></td>
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<table>
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<tr>
<th>Year IV - Fall Semester</th>
<th>Year IV - Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>Course</td>
<td>Credits</td>
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<tr>
<td>LDEM 241 - Research Project</td>
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<tr>
<td>LDEM 260 - Contemporary Issues in LA</td>
<td>3</td>
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<tr>
<td>FAFS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences [GE]</td>
<td>3</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
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</table>
General Education (GE) Courses

AUB students must take a minimum of 33-36 credits of general education requirements distributed in the following fields:

- **Communication Skills**
  - 9 Credits
  - 6 Credits - English 203 and 204
  - 3 Credits Arabic (except those formally exempted)

- **Humanities**
  - 12 Credits
  - 6 of which are offered by the LDEM Department as required (LA History I, LA History II and Contemporary Issues in LA)

- **Natural Science**
  - 6 Credits
  - 3 of which are offered at the LDEM Department as required (Soils in the Landscape or Water & the Environment)

- **Social Science**
  - 6 Credits

- **Quantitative Thought**
  - 3 Credits
  - (STAT 210)
BLA Curriculum Pre-Requisites

Design Courses

Year I
- LDEM 202 - Landscape Design Fundamentals I
- LDEM 216 - Site Scale Design: Public Park and Private Garden

Year II
- LDEM 246 - Site Design I
- LDEM 204 - Site Design II

Year III
- LDEM 222 - Planting Design
- LDEM 228 - Site Design in the Urban Context

Year IV
- LDEM 241 - Research Project
- LDEM 242 - Advanced Design

Professional Practice Courses

Year IV
- ENGL 203 → LDEM 290 Professional Practice
BLA Curriculum Pre-Requisites

Engineering/Construction Courses

Year II

LDEM 247 - Site Engineering I

LDEM 248 - Site Engineering II/Construction Material

LDEM 249 - Site Engineering - Design Implementation

Plant Material and Planting Design Courses

Year III

Plant material I, II and III (LDEM 219, 220 and 221) → prerequisites to LDEM 222 (Planting Design)
The following design courses are part of the program requirement. There is a grade average requirement for: LDEM 202, 204, 216, 228, 222, 246, 241 and 242.

A student should maintain a combined average of 70 in two consecutive design studios within a given year. Failure to achieve this will result in repeating the design studio with the lower grade.
Attendance

Classes and Laboratories

• Students are expected to attend all classes, laboratories, or required fieldwork.

• Students who, during a semester, miss more than one-fifth of the sessions of any course in the first ten weeks of the semester (five weeks in the case of the summer term) are dropped from the course.

• A student cannot withdraw, or be withdrawn, from a course after the announced deadline unless approved by the appropriate faculty committee.

Examinations and Quizzes

• Students who miss an announced examination or quiz must present an excuse considered valid by the instructor of the course. The course instructor should then require the student to take a make-up examination.

• Medical reports and/or qualified professional opinions issued by an AUB employee, AUH doctor, or by the University Health Services are accepted. Should there be a question about the validity of any excuse presented by the student, the matter should be referred to the appropriate faculty committee.
Advising

- At LDEM we take advising very seriously.

- All LDEM students are requested to check with their advisors every term during advising period to obtain guidance about their courses and in order to obtain their alternate pins.
Student Activities

Student knowledge relies on in-class and out-of-class student activities.

Parking Day (Landscape Student Society)

Plus Properties Competition

IBDAA Student Competition

Jounieh By Bike

The Garden Show

Landworks Sardinia
WELCOME TO LDDEM!