Congratulations on your admission to the American University of Beirut!

Department of Landscape Design and Ecosystem Management

Student Orientation 2020-2021

https://www.aub.edu.lb/fafs/ldem/Pages/default.aspx
What is landscape architecture?

I want to be a landscape architect!

https://youtu.be/zbx3FDDNeQM
landscape - Narrowly defined, the amount of countryside and/or city that can be taken in at a glance. Also, an area of land or water taken in the aggregate.

landscape architect - A professional who designs, plans, and manages outdoor spaces ranging from entire ecosystems to residential sites and whose media include natural and built elements; also referred to as a designer, planner, consultant. Not to be confused with landscapers, landscape contractors or nurserymen.

landscape architecture - The science and art of design, planning, management and stewardship of the land. Landscape architecture involves natural and built elements, cultural and scientific knowledge, and concern for resource conservation to the end that the resulting environment serves a useful and enjoyable purpose. Successful landscape architecture maximizes use of the land, adds value to a project and minimizes costs, all with minimum disruption to nature.

landscape contractor - A trained builder or installer of landscapes, retained to implement the plans of landscape architects.
General design
https://youtu.be/-9JncxE0OTU
Residential projects
https://youtu.be/14grFmZ_SZ0
The LDEM department is located in Reynolds Hall, first and second floors
Faculty of Agricultural and Food Sciences (FAFS)

The School of Agriculture was established in 1952

Green House Area

Advancing Research, Enabling Communities Center (AREC)
Established in 2007, the Department of Landscape Design and Ecosystem Management brings together faculty members from various disciplines including Landscape Architecture, Architecture, Horticulture, Natural Resources Management, and Landscape Planning. Currently, the Department consists of eight full-time faculty, several part-time lecturers and approximately 90 undergraduate students.

**2000**—BSc program in Landscape Design & Eco-Management was established.

**2007**—Department of Landscape Design & Ecosystem Management (LDEM) was established.

**2013**—Bachelor of Landscape Architecture (BLA) was established.
LDEM Faculty Members

The LDEM Department brings together professors and researchers from various disciplines.
LDEM Full-Time Faculty Members

Abunnasr, Yaser
Associate Professor, Chairperson, and BLA Program Coordinator

Dreksler, Beata
Assistant Professor

Fabian, Monika
Instructor & Greenhouse Supervisor

Zurayk, Rami
Professor, Coordinator of Graduate (ECOM) program

Talhouk, Salma
Professor, Chair of AUBotanic

Makhzoumi, Jala
Associate to the Department, President of LELA (Lebanese Landscape Association)

Al Akl, Nayla
Assistant Professor, Associate Dean of Student Affairs

Trovato, Maria Gabriella
Assistant Professor
LDEM Fall Part-Time Faculty Members

Dr. George Battikha  Balsam El-Ariss  Joelle Baroud  Rania Abboud Melhem

Ramzi Mezher  Wissam Melhem  Mona Khechen  Halim Nader
LDEM Staff

Modad, Nadine
Administrative Officer

Hazimeh, Rim
Departmental Research Assistant

Abi Samra, Elias
Greenhouse Technician
LDEM Programs

The Department of Landscape Design and Ecosystem Management (LDEM) offers:

- a Bachelor of Landscape Architecture (BLA) and a Diploma of Ingenieur Agricole
- a Master of Science in Environmental Sciences (MSES) with a specialization in Ecosystem Management (ECOM).

Our graduates are ethically, socially, and environmentally responsible designers and scientists towards nature, culture, and ecology.
Undergraduate Studies

Bachelor of Landscape Architecture (BLA)

Program Vision

The Bachelor of Landscape Architecture (BLA) has been developed with a vision of becoming the leading program in the Arab World which produces leading architects of open spaces who are responsive to the cultural and natural needs of the Arab World.
Program Mission

To enable graduates to accommodate community needs and manage land resources in the process of place-making. The aim is to develop in each student the ability to design, restore and manage landscapes in natural, rural and urban settings. Emphasis on ecological concepts, environmental sustainability, aesthetic and cultural considerations situate the program in the region. The Department values and promotes civic engagement of students and faculty within and outside of its context and through coursework, field trips, experimental learning, and internships, it helps prepare the students for the future challenges of the profession.

Program Description

The Landscape Architecture program comprises a total of 144 credit hours normally taken over four years, including summers.
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
https://youtu.be/IXZBx_6fvQE
Program Aim

The Program Seeks to Develop Students By:

- 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)

- Integrate regional concerns (environmental, cultural, social, and economic) into landscape architecture projects.
- Integrate value and ethics in professional practice.
- Communicate ideas and concepts of landscape architecture orally, textually, graphically, and through multiple media.
- Interpret the landscape into its respective layers.
- Integrate plants and plant communities as a component of sustainable landscapes.
- Construct relationships between the elements of landscape architecture.
- Demonstrate understanding of environmental, cultural, social, and economic issues affecting the wellbeing of society.
- Integrate skills in site design and implementation.
- Incorporate principles of landscape history and theory.
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 1</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
</tr>
<tr>
<td>LDEM 202</td>
<td>Studio I: Landscape Design Fundamentals</td>
</tr>
<tr>
<td>LDEM 200</td>
<td>Landscape Technical Drawing</td>
</tr>
<tr>
<td>LDEM 214</td>
<td>Landscape and Geomorphology</td>
</tr>
<tr>
<td>LDEM 207</td>
<td>Landscape Architecture History I</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>Academic English</td>
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<table>
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<tr>
<th><strong>Second Semester</strong></th>
<th>Credits</th>
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<tbody>
<tr>
<td>LDEM 216</td>
<td>Studio II: Landscape Garden Design</td>
</tr>
<tr>
<td>LDEM 201</td>
<td>Landscape Descriptive Drawing</td>
</tr>
<tr>
<td>LDEM 217</td>
<td>Soils in the Landscape</td>
</tr>
<tr>
<td>LDEM 291</td>
<td>Surveying and Base Plan Development</td>
</tr>
<tr>
<td>LDEM 211</td>
<td>Landscape Horticulture</td>
</tr>
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<table>
<thead>
<tr>
<th><strong>Summer Session</strong></th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LDEM 252</td>
<td>Computer Aided Design</td>
</tr>
<tr>
<td>LDEM 219</td>
<td>Plant Material I</td>
</tr>
<tr>
<td><strong>Total 5</strong></td>
<td></td>
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</table>
# Curriculum for the Bachelor of Landscape Architecture and Diploma of Ingénieur Agricole

## Year II

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LDEM 222</td>
<td>Studio III: Landscape Planting Design</td>
<td>4</td>
</tr>
<tr>
<td>LDEM 210</td>
<td>Botany and Plant Ecology for Landscape Architecture</td>
<td>3</td>
</tr>
<tr>
<td>LDEM 247</td>
<td>Site Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>LDEM 221</td>
<td>Plant Material II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Natural Sciences Elective</td>
<td>3</td>
</tr>
<tr>
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### Second Semester

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LDEM 204</td>
<td>Studio IV: Cultural Landscape Design</td>
<td>6</td>
</tr>
<tr>
<td>LDEM 208</td>
<td>Landscape Architecture History II</td>
<td>3</td>
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<tr>
<td>LDEM 248</td>
<td>Site Engineering II-Construction Material</td>
<td>3</td>
</tr>
<tr>
<td>LDEM 263</td>
<td>Landscape Appreciation and Site Analysis</td>
<td>3</td>
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### Summer Session

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<tr>
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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LDEM 249</td>
<td>Site Engineering III-Design Implementation</td>
<td>4</td>
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<tr>
<td>LDEM 231</td>
<td>Sustainable Water Management Techniques</td>
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## Curriculum for the Bachelor of Landscape Architecture and Diploma of Ingénieur Agricole

### Year III

<table>
<thead>
<tr>
<th>Semester</th>
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<th>Course Title</th>
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<td><strong>First Semester</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>LDEM 228</td>
<td>Studio V: Urban Landscape Design</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>LDEM 251</td>
<td>Geographic Information System (GIS)</td>
<td>3</td>
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<tr>
<td></td>
<td>LDEM 218</td>
<td>Landscape Ecology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science Elective</td>
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<tr>
<td><strong>Second Semester</strong></td>
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<tr>
<td></td>
<td>LDEM 246</td>
<td>Studio VI: Natural Landscape Design</td>
<td>6</td>
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<tr>
<td></td>
<td>LDEM 265</td>
<td>Landscape Management</td>
<td>3</td>
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<tr>
<td></td>
<td>Quantitative Thought Elective 218</td>
<td>Any course from the GE list, except Math 203 (only students coming from humanities school background can take it); EDUC 271, EPHD 203, and NURS 203</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LDEM 290</td>
<td>Professional Practice</td>
<td>3</td>
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<td></td>
<td><strong>Total 15</strong></td>
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</tr>
<tr>
<td><strong>Summer Session</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LDEM 292</td>
<td>Internship (Practicum)</td>
<td>2</td>
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<tr>
<td></td>
<td>FAFS Elective</td>
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# Curriculum for the Bachelor of Landscape Architecture and Diploma of Ingénieur Agricole

## Year IV

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDEM 241</td>
<td>4</td>
</tr>
<tr>
<td>LDEM 260</td>
<td>3</td>
</tr>
<tr>
<td>FAFS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 204</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDEM 242</td>
<td>6</td>
</tr>
<tr>
<td>ARAB</td>
<td>3</td>
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<tr>
<td>FAFS Elective</td>
<td>3</td>
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<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>
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  
LA History I, LA History II and Contemporary Issues in LA

**Natural Science**  
6 Credits  
3 of which are offered at the LDEM Department - Soils in the Landscape

**Social Science**  
6 Credits

**Quantitative Thought**  
3 Credits
Curriculum for the Bachelor of Landscape Architecture and Diploma of Ingénieur Agricole

http://www.aub.edu.lb/units/general-education/Pages/Fac_Requirements.aspx
BLA Curriculum Pre-Requisites

Design Courses

Year I
- LDEM 202 - Landscape Design Fundamentals I
- LDEM 216 - Landscape Garden Design

Year II
- LDEM 222 - Landscape Planting Design
- LDEM 204 - Cultural Landscape Design

Year III
- LDEM 228 - Urban Landscape Design
- LDEM 246 - Natural Landscape Design

Year IV
- LDEM 241 – Landscape Capstone Project 1
- LDEM 242 - Landscape Capstone Project 2

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 IV

- LDEM 219, and 221 → LDEM 222 - Planting Design
### 70 Average Rule

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.

<table>
<thead>
<tr>
<th>Year I</th>
<th>Year II</th>
<th>Year III</th>
<th>Year IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDEM 202 - Landscape Design Fundamentals I</td>
<td>LDEM 222 – Landscape Planting Design</td>
<td>LDEM 228 – Urban Landscape Design</td>
<td>LDEM 241 – Landscape Capstone Project 1</td>
</tr>
<tr>
<td>LDEM 216 – Landscape Garden Design</td>
<td>LDEM 204 – Cultural Landscape Design</td>
<td></td>
<td>LDEM 242 - Landscape Capstone Project 2</td>
</tr>
</tbody>
</table>
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.
Landscape Architecture in Lebanon

The Lebanese Landscape Association (LELA)

is a collective of professionals, academics and researchers established as a Lebanese NGO in May 2015 and recognized by the International Federation of Landscape Architects (IFLA) as the National Association for landscape architecture in Lebanon as of January 1st, 2016

LELA aims to serve as a hub for landscape architecture professionals and academics, students and researchers to discourse landscape in Lebanon and the Mashreq, to demonstrate the value and significance of landscape's multifunctional framework in realizing sustainable development and securing quality living in villages, towns and cities in the region. LELA

LELA serves as a portal that connects local professionals with the international body of professionals, keeping them abreast of advances in landscape architecture worldwide while responding to ecological, socio-economic and cultural dictates that continue to shape the emerging profession of landscape architecture in the eastern Mediterranean and the Middle East.
Student Activities

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

International workshops, Parking Day, IBDAA student competition, Garden Show, Plus Property competition....
Visit our sites!

Landscape Architecture Student Society (LASS)
https://www.aub.edu.lb/fafs/ldem/Pages/ldemstudentsociety.aspx

https://www.instagram.com/landscapearchaub/

https://www.facebook.com/LandscapeArchitectureAUB

https://www.youtube.com/channel/UCowV6DWwrY51-fSXXirgx-g/
WELCOME TO LDEM!

Department email: ldem@aub.edu.lb
Department office: Reynolds Hall room 202
Department staff: Nadine Modad (room 202) and Rim Hazimeh (room 203)
Department Chair/BLA Program Coordinator: Yaser Abunnasr (room 222/224)

https://www.aub.edu.lb/fafs/ldem/Pages/undergraduatestudies.aspx