Course title	**Introduction to Garden Design**				
Course code	**GALA1101**				
Course type	**Lectures and practical application**				
Level	Higher Diploma				
Year / Semester	1st Year / 1st Semester				
Teacher's name	Andreas Meneas Anagiotos				
ECTS	6	**Lectures / week**	1	**Laboratories / week**	2
Course purpose and objectives	Through a variety of creative and practical activities, the students acquire the knowledge, skills, and competences related to the landscape design process. The course is designed to enhance the students' design thinking, enabling them to create original and detailed high-quality design proposals with professional presentation. At the same time, the course aims to introduce the students to the evolution and development of gardens throughout history, so that they can develop a proper historical perspective on landscaping and garden design.				
Learning outcomes	Upon completion of the course, the students are expected to: **Theoretical Learning Outcomes:** 1. **Explain** the value of preserving cultural heritage and comprehend the historical context of parks and gardens. 2. **Identify** and describe the evolution of garden styles from Renaissance to Modern garden designs. 3. **Explain** key concepts in landscape architecture and garden design, including geometric design, symmetry, and the use of water and sculptures. **Practical Learning Outcomes:**: **4** **Apply design principles** in creating original, functional garden designs based on theoretical knowledge. **5** **Develop skills in visualising and presenting ideas** through hand-drawn and digital media. **6** **Use** drafting tools and basic graphic design principles for landscape design. **7** **Develop** construction plans, costing, and plant material plans for a garden design.				
Prerequisites		**Required**			
Course content	**Week 1: Historical Garden Design** **Lecture** • Italy: The Renaissance of Rome • The Renaissance of Gardens in France and Britain				

- The Early Botanical Garden: An Encyclopedia of Plants
- The Early Mughal Gardens: Persian Forms of Garden Art
- Japan: The Momoyama Period
- Chinese Gardens During the Ming Dynasty
- Fundamental Techniques and Styles: Geometric Design and Symmetry
- Use of Water and Sculptures in Renaissance Parks

Week 2: Landscape Architecture and Historical Design Developments

Lecture

- The Flourishing of Dutch Landscape Architecture
- Japan: The Edo Period
- The Mughal Dynasty: Sacred Symmetries
- Persian Paradise Gardens
- Italian Baroque Style, Rococo, and Modern Garden Design:
  - Characteristics of Baroque Gardens
  - Examples such as the Gardens of Versailles and the Gardens of Sanssouci
  - The Transition from Baroque to Rococo
  - Characteristics and Examples of Rococo Gardens
- The Development of Garden Design in the 19th and 20th Centuries
- Influences of Modernism and the Industrial Revolution
- Key Figures such as Capability Brown and André Le Nôtre
- English Gardens: A Limited Mix of European Styles
- French Classical Gardens: The Control of Nature

Week 3: Modern Garden Design and Aesthetic Movements

Lecture

- England: Victorian Gardens and Their Plants
- France: Republics and Empires
- The Architecture of Landscape Design in America
- 20th Century: The Quiet Era - Extremes of Wealth and Poverty
- The New Aesthetic of Modernism

Week 4: The Design Process

Lecture

- Stages of the Design Process
  - Stage 1: Collection of Ecological Data
  - Stage 2: Analysis and Evaluation of Data – User Data Assessment

Laboratory Practice

- Ecological Data Collection and User Data Assessment
  - Students will practice gathering data in a field exercise, assessing ecological conditions for garden design.

Week 5: Perceptual Analysis and Case Studies

Lecture

- Perceptual Analysis – Collection of Perceptual Data
- Presentation of Perceptual Maps
- Case Study: Synthesis of Ecological and Perceptual Map

Laboratory Practice:

- Collection of Perceptual Data and Presentation of Perceptual Maps
  - Students will practice gathering and presenting perceptual data from a garden site.

Weeks 6-7: Design Tools and Drafting

Lecture

- Design Tools and Drafting
  - overview of essential tools such as manual tools e.g. pencils, rulers compasses, templates
  - Technical drawing equipment: drawing boards, T-squares, set squares
  - Digital tools: SketchUp, garden planning apps
- Presentation of Design Tools
  - Demonstration of physical and digital tools
  - Pros and cons of manual vs. digital drafting
  - When to use which tools in different stages of the design process
- Basic Elements of a Design and Types of Drawings
- Presentation of Garden Designs in Ink
- Initial Design Ideas: How a Design Idea Develops with Examples

Laboratory Practice:

- Freehand Drawing Techniques
  - freehand sketches and initial design ideas using freehand drawing techniques.

Weeks 8-9: Graphic Design in Landscape Architecture

Lecture

- Graphic Design Techniques
- Symbolism in Garden Design Drawings
- Plant Material and Coverings
- Hard Materials and Constructions
- Measurements in Technical Drawings

Laboratory Practice:

- Technical Drawing and Symbolism in Garden Design
  - Students will create technical drawings with appropriate symbolism, incorporating plant materials and hard constructions into their designs.

Weeks 10-11: Specifications and Final Design

Lecture

- Specifications for Garden Design Drawings
- Terminology in Landscape Design Projects
- Key Explanatory Terms in Garden Design Drawings
- Presentation of Deliverables in Landscape Design Projects

Laboratory Practice:

- Final Drafting and Specification Work
  - Students will finalise their garden design drawings and incorporate technical specifications into their projects.

Week 12: Construction and Cost Estimation

Lecture

- Construction and Cost Estimation
- Prototype Creation
- Design Evaluation / Reassessment
- Costing of Landscape Design

Laboratory Practice:

- Prototype Creation and Design Evaluation
  - Students will create a prototype of their garden design and evaluate their final projects, considering construction and cost estimations.

Course Breakdown

Week	Theory Topics	Teaching Process
Week 1	Historical Garden Design: Renaissance gardens (Italy, France, Britain), Mughal, Chinese, and Japanese gardens; symmetry, water use, sculptures.	Lectures
Week 2	Landscape Architecture History: Dutch and Persian gardens, Baroque to Rococo transition, 19th–20th century garden design, modernism, key historical designers.	Lectures
Week 3	Modern Garden Design Movements: Victorian gardens, American landscape architecture, modernist influences, socio-economic context of design.	Lectures
Week 4	Stages of the Design Process: Ecological and user data collection and assessment.	Lectures + Laboratory

		Practical: Fieldwork on ecological/user data collection.	
	Week 5	Perceptual Analysis: Data collection, map presentation, and synthesis of perceptual and ecological data. Practical: Fieldwork and perceptual map presentation.	Lectures + Laboratory
	Weeks 6-7	Design Tools & Drafting: Tools, drawing types, design development, ink presentation. Practical: Freehand sketches and concept development.	Lectures + Laboratory
	Weeks 8-9	Graphic Design Techniques: Symbolism, plant and hardscape materials, technical drawing measurements. Practical: Technical drawing with symbolism.	Lectures + Laboratory
	Weeks 10-11	Project Specifications: Landscape design terminology, explanatory terms, deliverables. Practical: Final drafting and incorporation of specifications.	Theory + Laboratory
	Week 12	Week 12 Construction & Costing: Prototypes, evaluation, reassessment, cost estimation. Practical: Prototype creation and design evaluation.	Theory + Laboratory

Teaching methodology

Theoretical Instruction:
The lectures will be delivered through an interactive, student-centered approach, encouraging active participation and critical thinking. Each session will begin with a brief introduction to the theoretical concepts, followed by in-depth discussions of case studies, historical contexts, and key principles of garden design. Visual aids, including slides, videos, and design examples, will be used to enhance understanding and stimulate creative thinking. Students will be encouraged to engage with the material through group discussions and problem-solving activities, allowing them to connect theory with real-world applications.

Practical Instruction:

- Design Process Activities:
  - Stage 1: Collection of Ecological Data
  - Stage 2: User Data Collection & Perceptual Mapping
  - Stage 3: Initial Drafting of Garden Design (freehand sketches)
  - Stage 4: Presentation of Designs
- **Design Tool Training:** Students will be introduced to garden design software and tools for drafting and presenting designs. This includes learning to make technical drawings and create symbolic representations in garden design.

Bibliography	**Greek Bibliography** • Κορδάτος, Χαράλαμπος (2014), Εισαγωγή στην ιστορία της κηπουρικής: Εγχειρίδιο Κηπουρικής, KES College. • Τσαλικίδης, Ιωάννης Α., Μπακιρτζή, Όλγα (2014). Τοπία και κήποι των ανθρώπων : Θεώρηση της αρχιτεκτονικής τοπίου από την Αρχαιότητα έως τον 21ο αιώνα. Επίκεντρο. ISBN: 9789604582082 • Δάρρας, Αναστάσιος (2010), Κήποι, βεράντες, οροφόκηποι: Ανθοκομία - Κηποτεχνία καλλωπιστικών Φυτών στο αστικό περιβάλλον, Έμβρυο, ISBN 978-960-8002-57-9. **English Bibliography** • Gordon Campbell (2016). A Short History of Gardens : A Short History. Ed.: First edition. Oxford, United Kingdom : OUP Oxford. 2016. **EBSCOHost**. • Victoria Emma Pagán, Judith W. Page, Brigitte Weltman-Aron, (2015). Disciples of Flora': Gardens in History and Culture. Newcastle upon Tyne : Cambridge Scholars Publishing. 2015. **EBSCOHost**.
Assessment	• Attendance and Participation 10% • Written assignment 10% • Final written examination 30% • Final practical examination 50%
	Final written examination includes closed-ended questions (e.g., multiple-choice, matching, true/false) and open-ended questions (e.g., short-answer, essay-type, case studies). The duration of the written examination is two academic periods and accounts for the 30% of the final grade. The final practical examination, which constitutes 50% of the overall course grade, is designed to assess the students' ability to apply the skills and techniques acquired during laboratory sessions. It focuses on hands-on tasks, problem-solving, and the demonstration of procedural knowledge relevant to the course's practical objectives. The duration of the final practical examination is three academic periods. Student performance is evaluated on a scale of 0 to 100, with a minimum overall passing grade of 60. The final grade is calculated as a weighted average of the theoretical and practical components of the course.
Language	Greek or English