

TURFGRASS AND LANDSCAPE MANAGEMENT (TLMT)

TLMT 95 Turfgrass and Landscape Management Extended Internship

Description: Participation in a turfgrass or landscape management enterprise (other than in one of those in which the student has had previous experience).

Credit Hours: 0

Max credits per semester:

Max credits per degree:

Format: FLD

TLMT 100 Plants, Landscapes, & the Environment

Crosslisted with: HORT 100, AGRO 100

Description: Introduction to a diverse range of plant and landscape systems and management strategies for balancing economic and environmental sustainability. Foundational principles of plant biology, landscape ecology, and environmental science using real-world case studies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

Offered: FALL/SPR

ACE: ACE 4 Science

TLMT 127 Survey of Turfgrass and Landscape Management

Crosslisted with: AGRO 127, HORT 127

Description: Introduction to careers, internships and co-curricular activities in turfgrass and landscape management.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LEC

TLMT 134 Plant Sciences Laboratory

Crosslisted with: AGRO 134, HORT 134

Prerequisites: Prior or concurrent enrollment in AGRO/HORT 131 required

Notes: Open to all majors and minors, except Agronomy or Horticulture.

Description: An exploration of plant morphology, physiology, and maturation with an emphasis on environmental, biotic, and human interactions within production and landscape systems. Not open to Agronomy or Horticulture majors or minors.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LAB

Prerequisite for: HORT 306; HORT 307

TLMT 215 Genetics

Crosslisted with: AGRO 215, HORT 215

Prerequisites: 3 hrs biological sciences

Description: Discovery of the biology of genes and the application of genetics principles to understand the control and inheritance of traits in families and populations. Focus is on animals and plants that are important in medicine, agriculture and nature. Learning emphasis is problem solving via online, instant feedback assessments, group discussion, experimental data analysis and context-based exams.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Format: LEC

Prerequisite for: ASCI 330; ASCI 486

TLMT 227 Introductory Turfgrass Management

Crosslisted with: AGRO 227, HORT 227, PGAM 227

Prerequisites: AGRO/HORT 131 or AGRO 278 or either concurrently.

Description: Introduction to turfgrasses, their management and use, and to the turfgrass industry.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

Offered: FALL

Prerequisite for: AGRO 326, HORT 326, TLMT 326; AGRO 327, HORT 327, TLMT 327; TLMT 295; TLMT 395

TLMT 228 Introduction to Landscape Management

Crosslisted with: AGRO 228, HORT 228

Prerequisites: AGRO/HORT 131 or AGRO/HORT 278 or either concurrently.

Notes: Uses a team approach to problem solving, discussion, assessment planning, and oral presentations of applied case studies.

Description: An overview of landscape management and landscape design. Principles and practices.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

Offered: FALL

Prerequisite for: AGRO 326, HORT 326, TLMT 326; TLMT 295; TLMT 395

TLMT 229 Introductory Turfgrass Management Laboratory

Crosslisted with: AGRO 229, HORT 229

Description: Laboratory covering turfgrass identification and management. Concurrent enrollment with AGRO/HORT/TLMT 227 preferred. Required for Turfgrass Science majors, other students require instructor consent.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LAB

TLMT 295 Turfgrass and Landscape Management Extended Internship

Prerequisites: Sophomore standing; TLMT/AGRO/HORT/PGAM 227 or 228.

Notes: Requires advanced permission before registering for the course. Written and oral reports are required at the completion of the internship. Pass/No Pass only.

Description: Participation in a turfgrass or landscape management enterprise other than one in which the student has had previous experience.

Credit Hours: 1-12

Min credits per semester: 1

Max credits per semester: 12

Max credits per degree: 12

Format: FLD

TLMT 326 Landscape Solutions

Crosslisted with: AGRO 326, HORT 326

Prerequisites: TLMT/AGRO/HORT 227 or 228

Description: Using processes and problem-solving approach to identify and analyze common landscape management situations in commercial, public, and residential landscapes. Integrate design, environment, function, pest and disease, and existing management practices to produce recommendations.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

Prerequisite for: AGRO 470, HORT 470, TLMT 470

TLMT 327 Turfgrass Science and Management

Crosslisted with: AGRO 327, HORT 327

Prerequisites: AGRO/HORT/SOIL 153; CHEM 105 or 109; and TLMT 227

Description: Scientific principles of turf species adaptation, turf and/or soil relationships, establishment, fertility, mowing, irrigation, and pest control of turf species.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

TLMT 330 Pruning Ornamentals

Crosslisted with: AGRO 330, HORT 330

Description: Why, when and how to prune ornamental landscape plants. Demonstrations and field opportunities on how to choose and how to use pruning tools correctly.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LEC

TLMT 375 Innovations for Agriculture

Crosslisted with: HORT 375, AGRI 375, AGRO 375, EAEP 375

Description: Explore sustainability challenges in plant and animal agricultural systems, assess current solutions, and identify opportunities for innovation. Research, develop, prototype, test, and pitch an innovative product, service, or technology for agriculture.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

TLMT 395 Career Experience

Prerequisites: Sophomore standing and TLMT 227 or TLMT 228; advance approval required.

Notes: Pass/No Pass only

Description: Participation in a turfgrass or landscape management enterprise other than one in which the student has had previous experience. Written and oral reports are required at the completion of the career experience.

Credit Hours: 1-5

Min credits per semester: 1

Max credits per semester: 5

Max credits per degree: 5

Format: FLD

TLMT 414 Turfgrass Disease Management

Crosslisted with: AGRO 414, AGRO 814, HORT 414, HORT 814, PLPT 414, PLPT 814, TLMT 814

Prerequisites: BIOS/PLPT 369 or one semester of introductory plant pathology.

Description: Pathogens, epidemiology, and control of diseases specific to turfgrass.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LEC

TLMT 427 Turfgrass Systems Management

Crosslisted with: AGRO 427, HORT 427, AGRO 827, HORT 827, TLMT 827

Prerequisites: TLMT 227 and TLMT 327

Description: Critical evaluation of turfgrass settings to create economical and environmentally friendly management systems for professionally managed turf areas.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

ACE: ACE 10 Integrated Product

TLMT 470 Critical Thinking in Landscape Management

Crosslisted with: AGRO 470, HORT 470

Prerequisites: AGRO/HORT/PGMP/TLMT 326.

Description: Using processes and strategies to identify and compare issues, make recommendations, demonstrate proficiency in field application as skills and techniques, and prepare cost estimates in the development of landscape management plans.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Format: LEC

ACE: ACE 10 Integrated Product

TLMT 480 Modified Rootzones

Crosslisted with: AGRO 480, HORT 480, TLMT 880, AGRO 880, HORT 880

Notes: Offered as a five-week course.

Description: Modified rootzones and their applications in the turfgrass and landscape management industry. Correct applications and construction techniques.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Format: LEC