

University Wide

UN 1000 - Frameworks for Success

An introduction to University life, exploring ways to become a more effective student focusing on personal and professional habits necessary for success. Topics include academic skill development, time management, and university resources.

Credits: 1.0

Lec-Rec-Lab: (0-0-2)

Semesters Offered: Fall, Summer

UN 1001 - Perspectives on Inquiry

Writing-intensive course which engages students in college level inquiry. Students develop fundamental intellectual habits, understand how to integrate various perspectives on knowledge, and begin to learn how to meet the changing needs of a global, technological, diverse, and environmentally sensitive society.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Fall, Spring, Summer

Restrictions: Must be enrolled in one of the following Class(es): Freshman

UN 1002 - World Cultures

Examines diversity and change around the globe from perspectives of social sciences, humanities, and arts; explores human experience from prehistory to present. Classroom lectures accompanied by films, live performances, and guest speakers. One complete year of a single foreign language plus World Cultures (UN1003, 1-credit-activities) substitutes for World Cultures.

Credits: 4.0

Lec-Rec-Lab: (3-0-3)

Semesters Offered: Spring, Summer

Restrictions: Must be enrolled in one of the following Class(es): Freshman

UN 1003 - World Cultures Activities

Activities portion of World Cultures. Limited to enrollment by students choosing the modern language option of one full year of a single foreign language to fulfill their World Cultures requirement.

Credits: 1.0

Lec-Rec-Lab: (0-0-2)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Class(es): Freshman

UN 1010 - Creating Your Success

Introduction to strategies for creating academic, professional and personal success. Emphasis is on determining individual priorities, improving self-management and developing critical thinking skills. Guided journal writing will be used to explore these strategies.

Credits: 1.0; Repeatable to a Max of 3; Graded Pass/Fail Only

Lec-Rec-Lab: (0-0-2)

Semesters Offered: Fall, Spring, Summer

UN 1100 - Pavlis Global Technological Leadership Seminars

Introduction to leadership styles, electronic portfolio development and profile testing. Seminars are designed to familiarize developing leaders with technological, economical, cultural, environmental, and social issues important in today's globalizing world and provide. Students will have opportunities to interact with leaders.

Credits: 1.0

Lec-Rec-Lab: (0-0-3)

Semesters Offered: Fall

UN 1200 - Pavlis Global Technological Leadership Seminar 2

Introduction to leadership principles and continued portfolio development. Seminars are designed to explore technological, economical, cultural, environmental, and social issues important in a globalizing world. Students will have opportunities to interact with leaders.

Credits: 1.0

Lec-Rec-Lab: (0-0-3)

Semesters Offered: Spring

UN 2001 - Revisions: Oral, Written, and Visual Communication

Oral, Written, and Visual Communication. Writing-intensive course which builds on students' previous courses by providing advanced, direct instruction in communication. Students look closely at the communication practices of civic groups and apply what they learn to their own spoken, written, and visual work. Class projects ask students to fit the communications they make to interesting, sometimes difficult, situations and audiences.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Fall, Spring, Summer

Restrictions: Must be enrolled in one of the following Class(es): Freshman, Sophomore

Pre-Requisite(s): UN 1001 and (UN 1002 or UN 1003)

UN 2002 - Institutions

From families to governments, to markets, to our interactions with the natural environment, institutions organize collective human action. Introduces students to the nature and role of institutions in shaping today's world. Specific topics will vary by section, but all sections address a set of core questions and concepts.

Credits: 3.0

Lec-Rec-Lab: (3-0-0)

Semesters Offered: Fall, Spring, Summer

Restrictions: Must be enrolled in one of the following Class(es): Sophomore

UN 2100 - Pavlis Global Technological Leadership Seminar 3

Advanced leadership styles, group leadership activities and advanced portfolio development. Seminars are designed to provide opportunities to explore common perceptions of leadership, technology, culture, globalization and communication. Students will have opportunities to interact with leaders.

Credits: 1.0

Lec-Rec-Lab: (0-0-3)

Semesters Offered: Fall

UN 2300 - Leadership for a Global Technological World

Introduction to the fundamentals of leadership: personality traits, interpersonal skills & teamwork, leadership styles, situational leadership, decision-making and ethics. Emphasizes leading in a global and technology-intensive environment and developing leadership through practice.

Credits: 3.0

Lec-Rec-Lab: (0-3-0)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Class(es): Sophomore, Junior

Pre-Requisite(s): UN 2100

UN 2525 - Career Development Foundations

Students will learn the process of career development and planning, which includes self-assessment, decision-making, job search strategies, and awareness of workplace issues.

Credits: 1.0

Lec-Rec-Lab: (0-1-0)

Semesters Offered: Fall, Spring

Restrictions: May not be enrolled in one of the following Class(es): Freshman

UN 2600 - Fundamentals of Nanoscale Science and Engineering

Team-taught introduction to the fundamentals of nanotechnology, emphasizing the interdisciplinary nature of this field. Modern instrumentation, key scientific foundations, and current and potential applications will be discussed. Real and potential societal implications of nanotechnology will be explored.

Credits: 2.0

Lec-Rec-Lab: (1-1-0)

Semesters Offered: Spring - Offered alternate years beginning with the 2007-2008 academic year

UN 2990 - Special Topics - Interdiscip.

The study of interdisciplinary special topics as specified by section title.

Credits: variable to 6.0; Repeatable to a Max of 97

Semesters Offered: On Demand

Restrictions: Permission of instructor required

UN 3002 - Undergraduate Cooperative Education Laboratory

Credits may count as free or technical electives based on student's academic department. Requires 2.20 GPA or better, registration with the Office of Cooperative Education, and acceptability by a recognized employer. Transfer students must have completed at least one full-time semester on the MTU campus.

Credits: variable to 2.0; May be repeated

Semesters Offered: Fall, Spring, Summer

Restrictions: Permission of instructor and department required; May not be enrolled in one of the following Level(s): Graduate; Must be enrolled in one of the following Class(es): Sophomore, Junior, Senior

UN 3003 - Undergraduate Cooperative Education Laboratory - Technical Elective

Reserved for co-op assignments requiring additional or specialized training. Permission of the Co-op office and academic department is required. Requires GPA 2.20 or better, registration with the Office of Cooperative Education, and acceptability by a recognized employer. Transfer students must have completed at least one full-time semester on the MTU campus.

Credits: 3.0; May be repeated

Lec-Rec-Lab: (0-0-40)

Semesters Offered: Fall, Spring, Summer

Restrictions: Permission of instructor and department required; May not be enrolled in one of the following Level(s): Graduate; Must be enrolled in one of the following Class(es): Sophomore, Junior, Senior

UN 3100 - Pavlis Global Technological Leadership Seminar 4

Global aspects of leadership and advanced leadership practices. Seminars are designed to provide opportunities to deepen, complicate and challenge common perceptions of leadership, technology, culture, globalization and communication. Students will participate in leadership activities.

Credits: 1.0

Lec-Rec-Lab: (0-0-3)

Semesters Offered: Fall

UN 3401 - Environmental Stewardship

Helps prepare the leaders of tomorrow to ensure environmental sustainability for future generations. Topics to be considered include air and water resources, land use issues, recreation and conservation issues and protection of valued systems.

Credits: 2.0

Lec-Rec-Lab: (1-0-1)

Semesters Offered: Summer

Restrictions: Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): HU 3120

UN 3402 - Language of Business for Non-Business Majors

Provides an overview of business and management which will enhance the ability to lead in organizations. Includes the "language of business" (accounting, finance, and marketing), organizational structures, processes and strategies, leadership and change management, project management and business plan development.

Credits: 2.0

Lec-Rec-Lab: (1-1-0)

Semesters Offered: Summer

Restrictions: May not be enrolled in one of the following College(s): School of Business & Economics; Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): HU 3120

UN 3403 - Language of Technology

Exposes students to the tools, tactics, and resource needs associated with design and development of new products and technological systems. General topics include evolution of technology, the design process, and ethics. Specific topics may include nanotechnology, biotechnology, and environmental systems.

Credits: 2.0

Lec-Rec-Lab: (1-0-1)

Semesters Offered: Summer

Restrictions: May not be enrolled in one of the following College(s): College of Engineering, School of Technology; Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): HU 3120

UN 3404 - Cultural Immersion

Allows students to explore the culture of their international experience. They will think about how to live, learn, share, and gain leadership skills in a foreign environment. Students will gain insight into how to work with and learn from cultural differences with the goal of seeing the world and their leadership role in new ways.

Credits: 2.0

Lec-Rec-Lab: (0-1-1)

Semesters Offered: Summer

Restrictions: Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): HU 3120

UN 3405 - Language Immersion

Provides an opportunity for students to explore the basic and essential elements of the language spoken in the country of their international experience. Through the use of online language resources and exchanges with native speakers (when available), students will work on the communication skills necessary to develop their leadership skills in their host country.

Credits: 2.0

Lec-Rec-Lab: (0-0-6)

Semesters Offered: Summer

Restrictions: Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): HU 3120

UN 4000 - Remote Sensing Seminar

A seminal series that covers topical issues in remote sensing, ecosystem research, and global change. Required for all students with a minor in remote sensing.

Credits: 1.0; Repeatable to a Max of 2

Lec-Rec-Lab: (0-1-0)

Semesters Offered: Fall, Spring

Restrictions: May not be enrolled in one of the following Class(es): Freshman, Sophomore

UN 4050 - Global Leadership Practicum

Students will spend time abroad participating in a variety of leadership experiences. This will include at least one major leadership project. Upon returning, students will spend two weeks on campus writing reports and hosting a summer leadership institute.

Credits: 4.0

Lec-Rec-Lab: (0-0-12)

Semesters Offered: Summer

Restrictions: Permission of department required; Must be enrolled in one of the following Class(es): Junior, Senior

Pre-Requisite(s): UN 3401 and UN 3404 and UN 3405 and (UN 3402 or UN 3403)

UN 4100 - Pavlis Leadership Practicum I

Serves as a capstone experience in leadership. Students will engage in discussions, make oral presentations, write a senior thesis, mentor other students and apply their leadership knowledge and skills by taking on a leadership role.

Credits: 1.0

Lec-Rec-Lab: (0-0-3)

Semesters Offered: Fall

Restrictions: Must be enrolled in one of the following Class(es): Senior

Pre-Requisite(s): UN 4050

UN 4200 - Pavlis Leadership Practicum II

Serves as a capstone experience in leadership. Students will engage in discussions, make oral presentations, write a senior thesis, mentor other students and apply their leadership knowledge and skills by taking on a leadership role.

Credits: 2.0

Lec-Rec-Lab: (0-1-2)

Semesters Offered: Spring

Restrictions: Must be enrolled in one of the following Class(es): Senior

Pre-Requisite(s): UN 4100

UN 4990 - Special Topics - Interdisciplinary

Study of interdisciplinary special topics as specified by section title.

Credits: variable to 6.0; May be repeated

Semesters Offered: On Demand

Restrictions: Permission of instructor required

Undergraduate Course Descriptions Effective Fall 2007

https://www.banweb.mtu.edu/pls/owa/stu_ctg_utils.p_online_all_courses_ug

For more information, contact

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