The University Curriculum Committee recommends approval of the following:

1. New Courses

**ARTS 308. Sculpture. (2-4). Credit 3.** Sculptural approaches in a variety of media including additive and subtractive. Prerequisite: ENDS 115 or any drawing class or approval of degree coordinator.

**ENDS 102. Design Foundations I Lecture. (1-0). Credit 1.** Fundamental design processes, issues and theories relevant to design resolution by disciplines in the environmental design professions; the act of designing, its purpose, method and impact on the physical environment and society; creative thought processes from the formation of ideas through incubation to final product; intuition, systems theory and creation of hybrids. Prerequisite: Classification in environmental design, construction science or landscape architecture.

**ENDS 103. Design Foundations II Lecture. (1-0). Credit 1.** Fundamental design processes, issues and theories relevant to design disciplines in the environmental design professions; critical thinking through systematic processes; physical, human and cultural factors as influences for the arts and environment. Prerequisite: Classification in environmental design, construction science or landscape architecture.

**ENDS 260. Comparative Theory in the Built and Virtual Environments. (3-0). Credit 3.** Introduction of cultural theory and the environment; theories, special concepts and ideas relevant to the built and virtual environments with primary focus on the last fifty years; theory, theory building, and application to buildings and urban design; formation of ideas and critical ways of assessing the environment. Prerequisite: ENDS 102 and 103.

**ENDS 484. Summer Internship. (3-0). Credit 3.** Practical experience in an office of design allied professionals; six-week internship with a minimum of 240 hours; continuous employment; departmental pre-approval through the department internship coordinator required; post-approval evaluation conducted following the internship. May not be repeated for credit. Prerequisites: Upper-level classification in environmental design; approval of environmental design internship coordinator.

**VIST 305. Visual Studies Studio I. (3-9). Credit 6.** Practice of visual communication employing a variety of media, both digital and conventional; the formulation of artistic concepts and the selection of technical methods as the basis for a body of work; implementation of the working process of research, development of proposal, and building of a prototype; examination of public exhibition venues. Prerequisite: Upper-level classification in Environmental Design–Visual Studies Option.
VIST 405. **Visual Studies Studio II.** (3-9). **Credit 6.** Practice of visual communication employing a variety of media including digital and conventional media; realization, presentation and exhibition of artistic works based on proposed projects in Visual Studies Studio I. Prerequisites: VIST 305; CARC 301 or ENDS 494.

2. Course Withdrawal

ARCH 306. **Architectural Design III.**

Changes in Courses

ARCH 305. **Architectural Design II.**

Course title
From: Architectural Design II.
To: Architectural Design I.

Course description
From: Theory and practice of architecture as art and science; study of function, structure and form in site and building design through an analytical approach to programming, design methods, problem identification, case studies and problem resolution; exercises in identifying various conditions and forces associated with a variety of building types and the generation of a range of design solutions. Concurrent enrollment in ARCH 306 is not allowed.

To: Theory and practice of architecture as art and science; study of function, structure and form in site and building design through an analytical approach to programming, design methods, problem identification, case studies and problem resolution; exercises in identifying various conditions and forces associated with a variety of building types and the generation of a range of design solutions.

ARCH 331. **Architectural Structures I.**

Course prefix and number
From: ARCH 331.
To: ENDS 231.

Credit hours
From: (3-2). Credit 4.
To: (3-0). Credit 3.

Course description
From: Introduction to the physical principles that govern classical statistics and strengths of materials through the design of timber and steel components of architectural structures with computer applications.

To: Introduction to the physical principles that govern classical statistics and strengths of materials through the design of timber and steel components of architectural structures; computer applications.

Prerequisites
From: Upper-level classification in environmental design, construction science or landscape architecture; MATH 142 or equivalent; PHYS 201.

To: ENDS 106; MATH 142 or equivalent; PHYS 201.

ARCH 333. Environmental Systems I.

Course prefix and number
From: ARCH 333.
To: ENDS 233.

Prerequisite
From: Upper-level classification in environmental design, construction science or landscape architecture.

To: ENDS 106; PHYS 201.


Course prefix and number
From: ARCH 349.
To: ENDS 250.
ARCH 405. Architectural Design IV.

Course title
From: Architectural Design IV.
To: Architectural Design II.

Prerequisites
From: Upper-level classification in environmental design, construction science or landscape architecture; ARCH 305, 206, 331, 333.
To: Upper-level classification in environmental design, construction science or landscape architecture; ARCH 305; CARC 301 or ENDS 494.

ARCH 406. Architectural Design V.

Course title
From: Architectural Design V.
To: Interdisciplinary Design III.

Credit hours
From: (2-6). Credit 4.
To: (3-9). Credit 6.

Course description
From: Theory and practice of architecture as art and science; in-depth studio experience in the selection and application of structural systems and mechanical systems; building services, building materials and connections; interior space configuration and lighting as appropriate schematic design taken to the level of detail appropriate to design development. Concurrent enrollment in ARCH 405 or ARCH 463 not allowed.

To: Interdisciplinary approaches to design emphasizing theory and practice of architecture as art and science; schematic design taken to a level of detail appropriate to design development; topics include the visualization of built environments; the selection and application of building and environmental systems, services, materials and connections; interior space configuration.

Prerequisites
From: Upper-level classification in environmental design, construction science or landscape architecture; ARCH 405.

To: Upper-level classification in environmental design, construction science or landscape architecture; ARCH 405 or VIST 405.

ARCH 457. Specifications and Conditions of the Contract.

Course title
From: Specifications and Conditions of the Contract.
To: Ethics and Professional Practice.

Course description
From: Introduction to the concepts of architectural specifications and the AIA standard conditions of the construction contract; forms of construction, bidding and contract documents. For undergraduate students pursuing a professional degree and a career in architecture.

To: Issues and relationships within the business, legal and political environment; introduction to the concepts of architectural specifications and the AIA standard conditions of the construction contract; forms of construction, bidding and contract documents. For undergraduate students pursuing a professional degree and a career in architecture.


Course description
From: Fundamental design processes; issues and theories relevant to design resolution by disciplines in the environment design professions; the act of designing, its purpose, method and impact on the physical environment and society.

To: Fundamental design processes, issues and theories relevant to design resolution and the creation of new ideas; creative thought processes from the formation of ideas through incubation to final product and future impact on the physical environment and society.

ENDS 105. Design Foundations.
Course title
  From: Design Foundations.
  To: Design Foundations I.

Course description
  From: Visual and functional design principles; development of skills in perception, thought and craft as they apply to the formation of two- and three-dimensional relationships as influenced by design attitudes and environmental limitations.

  To: Visual and functional design principles; development of skills in perception, thought and craft as they apply to the formation of two- and three-dimensional relationships; design attitudes and environmental awareness.

Prerequisite
  From: none.
  To: College of Architecture majors only.

ENDS 106. Foundations of Environmental Design.

Course title
  From: Foundations of Environmental Design.
  To: Design Foundations II.

Course description
  From: Approaches to problem identification and problem solving emphasizing an awareness of programming, site design, materials, structure and systems; reinforcement of visual and verbal communication as applied to the design process.

  To: Approaches to problem identification and problem solving emphasizing an awareness of human, physical and cultural factors influencing design; reinforcement of visual and verbal communication as applied to the design process.

Prerequisite
  From: none.
  To: ENDS 105.

Course title
From: Computer Techniques for Building Design and Analysis.
To: Computer Techniques for Design and Visualization.

Course description
From: Introduction to the history of computing; fundamentals of computer applications for design, planning and construction; review of applications for management, network publishing, vector editing, modeling, rendering, animation, multimedia/hypermedia presentations and the development of virtual environments.

To: Introduction to the history of computing; fundamentals of computer applications for visualization, design, planning and construction; review of applications for management, network publishing, vector editing, modeling, rendering, animation, multimedia/hypermedia presentations and the development of virtual environments.

ENDS 205. Architectural Design I.

Course title
From: Architectural Design I.
To: Environmental Design I.

Course description
From: Issues and methods in designing environments for human habitation and well-being; projects addressing site, functional planning, spatial ordering, form generation through a recognition of the synthesis of space, structure, use and context; the generation of a wide range of design solutions emphasizing appropriate graphic and model building techniques.

To: Issues and methods in designing environments for human habitation and well-being; projects addressing site, functional planning, spatial ordering, form generation through a recognition of the synthesis of space, structure, use and context; reinforcement of appropriate graphic and model building techniques. Concurrent enrollment in ENDS 211 is not allowed.

ENDS 494. Internship.
Credit hours
  From: (3-o). Credit 3.
  To: (6-o). Credit 6.

Course description
  From: Practical experience in an office of design allied professionals; twelve week internship with a minimum of 480 hours; departmental pre-approval through the departmental internship coordinator required; post-approval evaluation conducted following the internship. May not be repeated for credit.

  To: Practical experience in an office of design allied professionals; twelve week internship with a minimum of 480 hours; continuous employment; departmental pre-approval through the departmental internship coordinator required; post-approval evaluation conducted following the internship. May not be repeated for credit.