Sustainable Environmental Design Course Descriptions

- **ARC:102 Introduction to Sustainable Environments** – 3 credits
  
  **Course Description:** This is a foundation course in which a broad spectrum of issues in sustainable environments are discussed. Environmental and economic issues including, stewardship, healthy environments, building culture, community development, and high performing building technologies will be explored.

- **ARC:116 Green Design Strategies and Applications in Architecture** – 3 credits
  
  **Course Description:** This is a studio course emphasizing the application of green building and sustainable design strategies in architectural environments. Students will utilize their knowledge of regional green materials, best management practices, and the local context as they investigate sustainable architectural solutions to given design problems.

- **ARC:117 Green Design Strategies and Applications in Interior Design** – 3 credits
  
  **Course Description:** This course introduces the use of sustainable and green design building strategies, assemblies, materials, and approaches for the interior environment. Interior design problems based on client criteria, goals and intent will utilize the application of sustainable design theory, methods and product knowledge to deliver healthy sustainable design solutions.

- **ARC:118 Green Design Strategies and Applications in Landscape Design** – 3 credits
  
  **Course Description:** This is a studio course emphasizing the application of green site structure and sustainable design strategies in landscaped environments. Students will utilize their knowledge of regional green materials, best management practices, and the local context as they investigate sustainable landscape solutions to given design problems.

- **ARC:125 Sustainable Materials and Technologies in the Built Environment** – 3 credits
  
  **Course Description:** This foundation course examines the process for producing high performing, sustainable built environments. The student will learn how to research, evaluate, select, and specify appropriate materials and systems at all scales within the built environment. Code and Certification process criteria will be discussed as it relates to environmental performance.

- **ARC:206 Topics in the Sustainable Architectural Environment** – 1 credit
  
  **Course Description:** This course is an in depth discipline specific course on sustainable environmental design topics. Topics could include: green roofing systems, sustainable building envelopes, innovative energy or water conservation systems, product or material innovations, or specific topical design strategies for the built environment.

- **ARC:207 Topics in the Sustainable Interior Environment** – 1 credit
  
  **Course Description:** This course is an in depth discipline specific course on sustainable interior environmental design topics. Topics could include: innovative energy or water conservation systems and fixtures, product or material innovations, and specific topical interior design strategies.

- **ARC:208 Topics in the Sustainable Landscaped Environment** – 1 credit
  
  **Course Description:** This course is an in depth discipline specific course on sustainable landscaped environmental design topics. Topics could include: green roofing systems, specialty irrigation systems, innovative energy or water conservation systems, product or material innovations, or specific topical design strategies.

- **ARC:231 Applications in Integrated Sustainable Design** – 3 credits
  
  **Course Description:** This course is an advanced studio class where architectural technology, interior design and horticulture students collaboratively investigate environmentally conscious solutions to design problems. Charettes will be used to generate holistic sustainable strategies leading to the integrated design of the site, the building envelope and systems, and the interior environment.