

Elizabethtown College Syllabus
Engineering Research in Architecture
Advanced Design Studio

EGR 280

Spring 2019

Advanced Architectural Design Studio with expectations of high-quality professional architectural research, analysis, and design-work created to architectural standards.

Course Credit: 4, Prerequisites: ART/EGR499A Architectural Studio I, ART/EGR499B Architectural Studio II

Objectives

- **Appreciate Eastern Cultural Traditions and Architectural Vernacular**
- **Appreciate Western Cultures Traditions and Architectural Vernacular**
- **High-quality Architectural Research**
- **Architectural Analysis**
- **Advanced 3D Architectural Rendering**
- **Wire-frame Design of Furniture**
- **Natural and Artificial Lighting Design**
- **Advanced Architectural Design of Sacred Spaces**
- **Working Professionally with a Client**

Faculty

Patricia L. Ricci PhD, Associate Professor of the History of Art, Director of the Fine Arts Division, Architectural Studies Program Coordinator
Office: Steinman, Department of Fine Arts Phone: 717-361-1517 Email: riccip@etown.edu

Joseph T. Wunderlich PhD, Associate Professor of Engineering and Computer Science, Architectural Studies Program Coordinator
Office: E284E, E273 Phone: 717-368-9715 Email: wunderjt@etown.edu Web site: <http://users.etown.edu/w/wunderjt>
Calendar and Office Hours: http://users.etown.edu/w/wunderjt/schedules/CALENDAR3_s19_web.htm

Textbook and Readings

- (1) American Institute of Architects, Dennis J. Hall (Editor-in-Chief), *Architectural Graphic Standards*, 12th Edition, March 2016. (ISBN:978-1-118-90950-8). Recommended Purchase, however you may use your earlier edition.
- (2) Various Architectural Case-Studies, excerpts from publications, and attendance in lectures suggested by your Professors

Deliverables

Architectural Analysis Paper (20% of Course Grade)

Write a high-quality research paper comparing your choice of selected eastern-religion sacred spaces throughout history to your choice of western religion sacred spaces throughout history. Due date TBA. Mail your paper to Dr. Ricci.

Architectural Design 1 (25% of Course Grade)

Design an ancient eastern or western religion sacred space (before modern times). Due date TBA. Mail scans of your free-hand sketches, and screenshots of your computer-rendered drawings to Dr. Ricci.

Architectural Design 2 (40% of Course Grade)

Complete professional 3D Revit renderings for LCBC mega-church in Lancaster, PA from the simple 2D CAD drawings supplied to you, plus hand measurements taken by you. Also render natural and artificial lighting, and render furnishings by creating wire-frame models. Maintain Architectural Standards.

- Due date 1: Presentation on Scholarship Day.
- Due date 2: Presentation along with EGR499B Architecture Studio II students to a panel of judges during Finals week, and incorporate feedback from Scholarship Day.

Comprehensive Electronic Portfolio (15% of Course Grade)

Email to Dr Ricci and Dr. Wunderlich a link to your comprehensive professional design portfolio including highlights of semester design work before 11:00pm on the last day of Finals week

Disabilities

Elizabethtown College welcomes otherwise qualified students with disabilities to participate in all of its courses, programs, services, and activities. If you have a documented disability and would like to request accommodations in order to access course material, activities, or requirements, please contact the Director of Disability Services, Lynne Davies, by phone (361-1227) or e-mail daviesl@etown.edu. If your documentation meets the college's documentation guidelines, you will be given a letter from Disability Services for each of your professors. Students experiencing certain documented temporary conditions, such as post-concussive symptoms, may also qualify for temporary academic accommodations and adjustments. As early as possible in the semester, set up an appointment to meet with me to discuss the academic adjustments specified in your accommodations letter as they pertain to my class.

Class Cancellation

Any non-emergency class cancellation will be announced via email at least a two hours before class time, in addition to signage posted by Department Administrative Assistants. Any makeup work will be announced to insure all intended course content is covered.

Religious Observations

The College is willing to accommodate individual religious beliefs and practices. It's your responsibility to meet with class instructor in advance to request accommodation related to your religious observances that may conflict with this class, and to make appropriate plans to make up any missed work.

Academic Honesty

Elizabethtown College Pledge of Integrity: *"Elizabethtown College is a community engaged in a living and learning experience, the foundation of which is mutual trust and respect. Therefore, we will strive to behave toward one another with respect for the rights of others, and we promise to represent as our work only that which is indeed our own, refraining from all forms of lying, plagiarizing, and cheating."* See the 2016-17 Elizabethtown College Catalog, "Standards of Academic Integrity" (*Academic Integrity at Elizabethtown College*, 11th ed. (<https://www.etown.edu/offices/dean-of-students/files/academic-integrity-handbook.pdf>).