NASHVILLE STATE COMMUNITY COLLEGE
Business, Applied Arts & Technologies Division
Architectural Engineering Technology Program

Course Syllabus
ACT 2242 ARCHITECTURAL DESIGN PROCESS
4 Credits, 1 Class Hours, 6 Laboratory Hours

An advanced level course utilizing problem-based case learning techniques (PBCL) while continuing elements of ACT 1341 and focusing on the architectural design process. Topics include: teamwork; architectural programming; adjacency matrices; block diagrams; site analysis; schematic design; design development; model making and presentation drawings. Using current drawing and presentation mediums, students will prepare and present a small and a medium sized commercial architectural project.

Prerequisite: ACT 1341

COMPUTER USAGE: Students will use AutoCAD Architecture and REVIT to create adjacency matrices, block diagrams, programming boards and to draw plans, sections and elevations in the preparation of a set of schematic design, design development & construction drawings. MODELS: Students will construct a study model of their design. 3D computer drawings may not be substituted for the model.

COURSE LEARNING OUTCOMES:

Upon successful completion of this course, the student will be able to:
1. Work as an individual to prepare design documents for a small commercial project.
2. Work as a team member to produce a site analysis of a potential building site.
3. Work as a team member to meet with a client and potential end users to determine an architectural program for a specific project.
4. Work as a team member using an architectural program and a site analysis to produce schematic design, design development documents and construction documents

Additional Learning outcomes

I. Have a basic knowledge of Leadership in Energy and Environmental Design (LEED) and the Green Building concepts.
II. Have a basic knowledge of LEED category Sustainable Sites credits 1- Site Selection, credit 2- Development and Community Connectivity, 4.1 Alternate Transportation – public transportation Access, 4.2 Alternate Transportation access – Bicycle Storage and changing rooms, 4.3 Alternate transportation – low emitting & fuel efficient vehicles and 4.4 Alternate transportation – parking capacity, 5.1 protect and restore habitat and 5.2 Maximize open space.
III. Have a basic knowledge of LEED category Indoor Environmental Quality credits 8.1 Daylight and Views -Daylight and 8.2 Daylight and Views –Views

TEXTBOOK: none required
Performance Assessment

The Course Learning Outcomes will be measured by objective instructor evaluations of your ability to complete course assignments. Your ability as an individual class member will be assessed based on your ability to prepare design documents for a small commercial project. Your ability as a member of a team will be assessed by the team’s ability to produce an architectural program site analysis, conceptual design, schematic design and building model for a commercial architectural project. Your performance as a class member will be evaluated based on your dependability, promptness, and cooperation. Your ability to communicate technical information will be assessed by your instructor as part of your presentation. The standards expected and the level of quality is stated with the assignment.

Points will be awarded in approximately the follow ratios. The point total will be greater than 100.

Grading Policy

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Individual Design Project</td>
<td>30%</td>
</tr>
<tr>
<td>Project/Program Manual</td>
<td>10% (Team Effort)</td>
</tr>
<tr>
<td>Site Analysis drawings</td>
<td>5% (Team Effort)</td>
</tr>
<tr>
<td>Schematic Design drawings</td>
<td>10% (Team effort)</td>
</tr>
<tr>
<td>Design Development &amp; Construction Drawings</td>
<td>30% (Team Effort)</td>
</tr>
<tr>
<td>Model</td>
<td>15% (Team effort)</td>
</tr>
<tr>
<td>Peer evaluation</td>
<td>10%</td>
</tr>
</tbody>
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A = 100-91  B = 90-81  C = 80-71  D = 70-61  F = 60 & BELOW

If you cannot present when scheduled you must notify the instructor and make arrangements to present prior to the scheduled date. Work not presented on time will not be accepted.

Lab/Studio time

Additional open Studio/lab time will be available as scheduled. Students may also use the Studio during other scheduled class times if space is available and with the permission of the instructor present.

Drawing Files:

CAD drawings should be kept on the server however; students are responsible for back-up files on other devices. **Back up after every lab.**

Attendance Policy

Student Communication Channels

It is the student’s responsibility to check D2L and MyNSCC email on a regular basis. These are the official communication channels between the college and students. Students are responsible for the information communicated through those channels. D2L contains specific course information and MyNSCC contains information important for other purposes.
Early Warning System
Nashville State Community College has implemented an Early Warning System to notify students via e-mail about academic problems such as poor classroom attendance, poor performance on assignments/tests, poor communication skills, late/missing assignments, and/or lack of classroom participation. Please note that Early Warning Alerts do not affect a student’s academic standing.

ADA Compliance Statement
Nashville State complies with the Americans with Disabilities Act. If you wish to request any special accommodations for any courses in which you are enrolled, contact the Student Disabilities Office at 353.3721.

Classroom Misconduct
Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions. Please consult your Student Handbook for more specific details.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.).

Please be aware that children are not allowed in class or unattended on campus.

Academic Dishonesty (Honor Code)
Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited.

“Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words (A Writer’s Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else’s work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor’s permission, allowing someone else to copy or use your work, using someone else’s work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member’s signature.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an “F” or a “Zero”
for the exercise, paper, or examination or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.

**Inclement Weather Policy**

In the event of an inclement weather event, check the Nashville State web site home page at www.nscc.edu for announcements on campus closures. Campus closures will also be announced on local television stations (channels 2, 4, 5, and 17).

When classes are cancelled, an online assignment will be posted in NS Online. Check your NS Online email for a message from your instructor regarding your online assignment requirements. Even though classes may be cancelled, some areas, i.e. Testing Center, may be open. However, you should check before commuting to campus.

The Vice President for Academic Affairs and the Director of Security are responsible for cancellation decisions during an inclement weather event for the Nashville State main campus and the Southeast campus. Cookeville, Waverly, and Dickson Campus Directors will make class cancellation decisions based on conditions in their respective areas. Decisions about class cancellations are based on actual conditions, not forecasts. The perspective used for making decisions is that of the college as an employer, not as a K-12 institution. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

**NOTE:** This syllabus is meant simply as a guide and overview of the course. Some items are subject to change or may be revised at the instructor’s discretion. Each instructor will further clarify their criteria for grading, classroom procedures, attendance, exams and dates, etc. on his/her course syllabus.