ARCHT-141: Architectural Practices and Procedures

Course Description:

The course introduces the student to the practice of architecture. It reviews the procedures used in the design and construction of buildings as they proceed through an architectural office, from initial design concept to construction documentation to final construction. The possible roles the architectural technician may play in this process are explored.

Total Credits: 2.00

Course Competencies

1. **Identify education and licensing requirements for Architects.**
2. **Explain terminology and key concepts in the practice of Architecture.**
3. **Identify typical design-construction phases**
4. **Articulate how architectural fees and budgets are determined.**
5. **Describe ANSI building square footage calculation standards.**
6. **Explain the dynamics of the Architectural Engineering & Construction industry.**
7. **Describe the traditional and emerging project delivery methods.**
8. **Explain the relationship between drawings, specifications and project manuals.**
9. **List documents that constitute CDs (Construction Documents)**
10. **Read AIA contract documents -General Conditions articles used in specification documents**
11. **Demonstrate an understanding of specification types, format and language use.**
12. **Describe the process for bidding and awarding contracts.**
13. **Explain contract administration process.**
14. **Identify key responsibilities of the Architect, the General contractor, and the owner or client using AIA documents A201, B101**
15. **Review Warrantee & claims issues related to contract administration.**
16. **Identify elements of "Due process" required for making good decisions.**
17. **Review factors and context that affect decision making in the practice of architecture. Example - Ethics and related copyright issues**
18. **Make decisions on given scenarios following due process and using citations from current AIA documents**
19. **Identify report criteria and your target audience,**
20. **Research selected product or system, (technical, legal & economics data information etc)**
21. **Present report based assembled in a technical report format.**
22. **Produce CSI format Specification outline using product report information**
23. **Describe 5 main types of legal business structures available to AEC firms.**
24. **Describe the different types of organizational structure used in architectural offices**
25. **Articulate marketing issues relevant to the success of an architectural or engineering business**