

Course Descriptions

credit.

AVSC 490R

Safety and Professional Seminars

2:2:0

DE

• Prerequisite(s): Matriculation into Aviation Professional Pilot Bachelor's Degree Program
Designed for pilots planning a professional career in commercial aviation. Includes FAA safety seminars and other professional presentations designed to inform the commercial pilot of safety and professional issues affecting employment. Features FAA safety counselors, and other aviation professionals as guest lecturers. May be repeated twice to qualify for graduation.

AVSC 491R

Undergraduate Research Project

3 to 6:2:3 to 12

DE

• Prerequisite(s): Department Approval
Combines and integrates concepts, methodologies, and skills developed in previous AVSC course work through the completion of a comprehensive project. Students will develop their own project and portfolio in consultation with a faculty advisor. A list of detailed guidelines for the project is available from the Aviation Science department. May be repeated three times for a maximum of six credits.

BCCM—BUILDING CONSTRUCTION AND CONSTRUCTION MANAGEMENT

BCCM 1110

Principles of Residential Framing

3:3:0

Su, F, Sp

For first year Building Construction and Construction Management students and interested community members. Studies basic principles of wood framing from sill plate through rafters. Includes guest lectures, field trips, and associated lab.

BCCM 1120

Blueprint Reading

2:2:0

Su, F, Sp

Studies theory of projection, architectural symbols, relationships of views and measurements, plans and elevation views, sections, and details. Covers residential and commercial blueprint reading.

BCCM 1130

Concrete and Masonry

1:1:0

Su, F, Sp

Studies fundamental principles of quality concrete and masonry, including admixtures and proper techniques of placing, curing, and testing. Also includes practical experience in concrete block and brick construction laying. Uses assigned written and oral response.

BCCM 1150

Building Construction Safety

1:1:0

Su, F, Sp

Includes OSHA and common safety rules for hand-tools, power-tools, ladders,

scaffolds, etc. Covers disposal of hazardous wastes and maintenance of a clean environment.

BCCM 1160

Stair Design and Construction

1:1:0

Su, F, Sp

Studies the principles of mathematically correct stairs along with the various styles and types of stair cases. Analyzes residential and commercial problems in accordance with building codes.

BCCM 1190

Framing and Concrete Lab

5:0:15

F

Provides practical lab experience in concrete work and framing from sill plate through rafters. Includes supervisory and group decision making practice.

BCCM 1210

Principles of Finish Carpentry

3:3:0

Su, F, Sp

For second-year Building Construction students and interested community members. Covers installation of doors, window casings, moldings, paneling, gypsum board, floor materials, cabinets, siding, and roofing.

BCCM 1220

Finishing Lab

5:0:15

Sp

Provides practical lab experience in interior finishing including doors, windows, moldings, gypsum board, cabinets, siding, and roofing.

BCCM 1230

Construction Estimating

2:2:0

Su, F, Sp

Studies step-by-step procedures used to estimate and prepare material and labor. Makes complete estimating data sheets from working drawings and specifications. Completers should be able to enter the field as estimating trainees.

BCCM 1240

Roof Framing

2:2:0

Su, F, Sp

Studies basic principles of all types of roof framing. Includes practical lab experience in laying out and cutting rafters. Completers of the first semester courses and this course should be able to enter the construction field as trainees.

BCCM 1250

Utah Contractors License Regulation and Procedure

2:2:0

F, Sp

Focuses on student preparation for the Utah Contractors Business Law Exam. Surveys legal business entities. Studies Utah license law, good construction management practices, lien laws, labor laws, and tax laws.

BCCM 1260

Computer Estimating

2:2:0

Su, F, Sp

• Prerequisite(s): BCCM 1230 or estimating experience

For Building Construction majors and other students interested in estimating using computer applications based on Timberline Software. Studies different industry data bases, performing takeoffs, creating estimates, bids, and reports.

BCCM 1270

Construction Scheduling

2:2:0

Su, F, Sp

For Building Construction majors and other students interested in scheduling using computer applications based on scheduling software. Emphasizes planning, scheduling, and controlling resources and costs.

BCCM 281R

Cooperative Work Experience

1 to 8:0:5 to 40

Su, F, Sp

• Corequisite(s): BCCM 285R first time only

For Building Construction and Construction Management majors. Provides paid, on-the-job work experience in the student's major. Work experience, the correlated class, and enrollment are coordinated by the Cooperative Coordinator. Includes student, employer, and coordinator evaluations, on-site work visits, written assignments, and oral presentations. Provides experience in writing and completing individualized work objectives that improve present work performance. May be taken twice for credit.

BCCM 285R

Cooperative Correlated Class

1:1:0

Su, F, Sp

• Corequisite(s): BCCM 281R first time only

For Building Construction and Construction Management majors. Identifies on-the-job problems and provides remediation of those problems through in-class discussion and study. Includes the study of identifying and maximizing service opportunities. Students register for this class with approval of the Coop coordinator. Includes lecture, guest speakers, video tapes, role playing, case analysis, oral presentations, and written assignments. Completers should be better able to perform in their field of work or study. May be taken twice for credit.

BCCM 299R

VICA

1:1:0

F, Sp

For Building Construction and Construction Management majors. Supports and facilitates the goals and objectives of Vocational, Industrial Clubs of America (VICA). VICA is a pre-professional student organization that develops social awareness, civic, recreational, and social activities. Students may participate in local, state, and national contests. May be taken once a year for two years (two credits total).