

CM 4323 Construction Contracting **Three hours**

A study of the management aspects of the construction industry including contracts, specifications, insurance, labor relations, and labor law. Ethical issues relevant to construction are discussed. Three hours lecture-discussion per week. Prerequisite: senior standing or consent of instructor

Offered spring semester

CM 4423 Estimating II **Three hours**

A detailed study and application of pricing and bidding techniques using blueprints and specifications. Projects include several commercial building projects along with a competitive bid simulation involving area contractors. An introduction to construction financing is included. Prerequisites: CM 3414 and senior standing or consent of instructor

Offered spring semester

CM 4513 Building Design Lab **Three hours**

The design, development, and presentation of an elementary architectural program as employed for a residence or small commercial building. Working drawings are required. Six hours laboratory per week. May be repeated once for credit. Prerequisite: senior standing or consent of instructor

Offered fall semester

CM 4613 Construction Project Scheduling and Cost Control **Three hours**

A study of construction project management systems with emphasis on time and cost control. Critical path method time-control procedures and cost-tracking methods are included. Two hours lecture-discussions and one two-hour laboratory per week. Prerequisite: senior standing or consent of instructor

Offered fall semester

CM 4713 Construction Management **Three hours**

This capstone course involves application of management techniques on an actual construction project. Planning, estimating, procurement, project execution, supervision of CM 1111/1121 students, and dealing with subcontractors is included. One one-hour planning session and eight hours laboratory per week. Prerequisite: senior standing

Offered each semester

CMN (Christian Ministries)

CMN 1632 WILD Adventure Program **Two hours**

An intensive multi-day experience available to incoming first-year and transfer students accepted into the Wilderness Impact on Leadership and Discipleship (WILD) Program. The focus is upon group living and interpersonal dynamics designed to enhance personal spiritual growth through participation in outdoor pursuit activities such as backpacking, canoeing, rock climbing, and rappelling. Significant time is spent on the JBU challenge course leading up to a 7-day trip into a pristine backcountry location (e.g., the Boundary Waters, the Rocky Mountains, the Smoky Mountains). Additional fee associated with this course.

Offered fall semester @ 10 days before First Year Student Orientation

CMN 2213 Foundations and Practice of Christian Ministry

Three hours

A course designed to help students gain a basic understanding of the nature of full-time Christian service in a variety of arenas. Class activities assist students in understanding the gifts, abilities, and personality God has given them so they can better serve in His Kingdom. Prerequisite: sophomore standing

Offered fall semester

CMN 2223 Challenge Course Programs and Management

Three hours

Historical, theoretical and experiential understanding of program and management practices associated with the use of adventure initiatives and challenge courses as an educational medium with a variety of populations. Introduction to technical skill development, facilitation strategies, processing techniques, safety procedures, equipment management, program design, evaluation methods, and applications to specific client groups. Use of challenge course programs for ministry in camp and adventure settings is emphasized.

Offered spring semester

CMN 2263 Discipleship and Evangelism

Three hours

A consideration of the content and methods of evangelism. Social ramifications of the Gospel are considered as well as some non-evangelical emphases in evangelism. Involvement in evangelistic activities is encouraged.

Offered spring semester (even-numbered years)

CMN 2283 Camping and Outdoor Recreation Skills

Three hours

Advanced training in skills essential for an effective camp/recreation career. Students are exposed to outdoor recreational activities, such as riflery, archery, low and high ropes course, backpacking, hiking, swimming, canoeing, and horseback riding. There is a \$40 fee associated with this course.

Offered fall semester

CMN 2303 Christian Education with Children

Three hours

A study of the philosophy, practice, and materials related to teaching children in a variety of Christian contexts. Students have opportunities to teach children throughout the semester.

Offered fall semester

CMN 2313 Christian Education with Adolescents

Three hours

A study of teaching and learning theories specifically for those working with adolescents in a Christian environment. Includes adolescent cultural exegesis and its application, plus observation and practice of teaching. Prerequisite: CMN 2213

Offered spring semester

CMN 2373 Principles and Practices of Adventure Education

Three hours

Theories and principles of leadership and experiential education (e.g. transfer of learning, small group development, debriefing/processing, providing appropriate feedback, therapeutic approaches, framing experiences) are applied to program development and implementation for Christian outdoor ministry setting, with special consideration of both traditional and specific populations (e.g. youth-at-risk, chemical dependency, businesses, university orientation programs). Opportunities to develop, lead and evaluate adventure education experiences are incorporated. A field trip is required.

Offered fall semester (odd-numbered years)

CMN 2383 Outdoor Living Skills

Three hours

Introduction to basic living skills in wilderness environments. Topics include low-impact camping, food rations planning, clothing, travel techniques, equipment, and navigation. Leave No Trace Certification may be earned. Field trips required. Additional fee associated with this course.

Offered fall semester

CMN 2632 Outdoor Leadership: Winter Skills

Two hours

An opportunity for students to experience a safe and educational adventure in the world of the northern Minnesota winter wilderness—its ecology, folklore, history, and exquisite beauty. Through participation in a wilderness dogsled and ski trek, students are engaged in the whole realm of winter travel and adaptive camping skills, including backcountry skiing, snowshoeing, construction of snow shelters, winter ecology, and comfort and safety. Leadership development and ministry opportunities are explored in connection with outdoor adventure pursuits. Field trips required. Additional fee associated with this course. Open to Outdoor Leadership Ministries majors or minors or by instructor permission only. Prerequisite: CMN 2383

Offered spring semester (odd-numbered years)

CMN 2642 Outdoor Leadership: Paddlesports

Two hours

Instruction to prepare students for leadership roles in conducting canoeing experiences in camps, adventure programs, and other wilderness settings. Students gain and demonstrate an understanding of necessary canoeing equipment, trip planning and organization, instruction of basic canoeing strokes, implementation of safety procedures, canoe expeditioning skills and group management on canoe expeditions, stewardship practices in wilderness settings, and ministry opportunities through outdoor adventure pursuits. Field trips required. Additional fee associated with this course. Open to Outdoor Leadership Ministries majors or minors or by instructor permission only. Prerequisite: CMN 2383

Offered spring semester (odd-numbered years)

CMN 2652 Outdoor Leadership: Back Packing

Two hours

Instruction to prepare students for leadership roles in conducting backpacking experiences in camps, adventure programs, and other wilderness settings. Students gain understanding of backpacking equipment, trip planning and organization, instruction of basic camping skills, implementation of safety procedures, group management on backpacking trips, stewardship practices in wilderness settings, and ministry opportunities through outdoor adventure pursuits. Field trips required. Additional fee associated with this course. Open to Outdoor Leadership Ministries majors or minors or by instructor permission only. Prerequisite: CMN 2383

Offered spring semester (even-numbered years)

CMN 2662 Outdoor Leadership: Top Rope Rock Climbing

Two hours

Instruction to prepare students for leadership roles in conducting beginning top rope rock climbing experiences in camps, adventure programs, and other wilderness settings. Emphasis is placed upon site selection, instructor qualifications, assessment of participant skills, proper use and care of equipment, belaying technique, correct use of anchors, climbing site management, stewardship practices in wilderness settings, and ministry opportunities through outdoor adventure pursuits. Field trips required. Additional fee associated with this course. Open to Outdoor Leadership Ministries majors or minors or by instructor permission only. Prerequisite: CMN 2383

Offered fall semester (even-numbered years)

CMN 3112 Horsemanship

Two hours

Instruction in teaching horse care, handling, and riding techniques to participants of different ages. Safety, stable management, and ministry opportunities through involvement in the "Right Lead" program at New Life Ranch are addressed. Field trips are required. Credit available to students other than Outdoor Leadership Ministries majors and minors only by permission of instructor. A fee is associated with this course. Prerequisite: CMN 2383

Offered fall semester (odd-numbered years)

CMN 3153 Philosophy and Methods of Outdoor Education

Three hours

An examination of effective teaching techniques and administrative programming practices for outdoor experiential education. This course emphasizes development and selection of curriculum and activities appropriate for use in extending the academic classroom to the outdoors. Content is also designed to prepare prospective outdoor education professionals to teach about the outdoor environment in nonformal educational settings. Opportunities to develop, lead and evaluate outdoor education experiences are incorporated.

Offered spring semester (even-numbered years)

CMN 3213 Camp Leadership and Management

Three hours

An introduction to the philosophy of Christian camping and its place in the spiritual, emotional, and educational development of the person. Attention is given to administration and organization of camp life from counselor training to food purchasing. The course is taught at New Life Ranch which serves as a model for observation and learning. A \$50 fee is associated with this course.

Offered spring semester

CMN 3253 Foundations and Practice of Children's Ministries

Three hours

An overview of philosophical, developmental and practical issues relevant to the religious education of children. Required field experience.

Offered spring semester

CMN 3263 Discipleship Development through Camp and Adventure Programming

Three hours

Programming philosophy, theories, and principles for designing, conducting, and evaluating camp and adventure programs focused upon disciplining a variety of clientele in various types of Christian residential and wilderness programs. Field trip required.

Offered fall semester (even-numbered years)

CMN 3313 Foundations and Practice of Youth Ministry

Three hours

A study of the basic principles of effective youth ministry. The class focuses on formulating theological, theoretical, and practical models for doing youth ministry, whether in a local church or para-church settings. Credit available only to Youth Ministry majors and minors. Prerequisites: CMN 2213, 2313

Offered fall semester

CMN 3323 Youth Ministry Organization and Planning **Three hours**

An opportunity for students to develop organizational and planning skills helpful in youth ministry. Building on foundations established in CMN 3313, students examine various approaches to organizing and carrying out youth programs. Open to Youth Ministry majors and minors only. Prerequisites: CMN 2213, 2313, and 3313

Offered spring semester

CMN 3373 Leadership for Outdoor Adventure Pursuits **Three hours**

Examination of the implementation of Christian focused outdoor pursuits programs, planning and leadership components, outdoor adventure-based administrative techniques, leadership competencies, therapeutic/adaptive considerations, and risk management. Field trip required. Prerequisite: CMN 2373

Offered spring semester (even-numbered years)

CMN 3423 Effective Teaching **Three hours**

An overview of various teaching theories and strategies designed to assist in the communication of God's truth. Attention is given to biblical guidelines and examples of effective education. Applications to specific teaching opportunities are encouraged.

Offered fall semester

CMN 3433 Wilderness Leadership Seminar **Three hours**

Utilizing a discovery learning format, students participate in an extended wilderness experience designed to investigate the role of facilitative (nondirective) leadership, group process, personal reflection, outdoor adventure pursuits, and decision-making responsibility in promoting Christian maturity while contributing to increased psychosocial development. The theory and application of experiential learning is examined to assist students in acquiring transferable skills and knowledge necessary to apply these principles to various ministry settings (e.g. church, family, residential programs, wilderness). Credit is available to students other than Outdoor Leadership Ministries majors and minors only by permission of instructor. A fee is associated with this course. Prerequisite: CMN 2383

Offered summer term upon sufficient request

CMN 3692, 3693 Instruction in Outdoor Pursuits **Two or three hours**

Students establish a learning contract to assist an instructor in one of the outdoor leadership courses. As the student assistants gain experience, they are assigned increasing amounts of responsibilities in accordance with the instructor's guidance and course needs. Prerequisite: consent of instructor

Offered each semester

CMN 4113 Wilderness First Responder **Three hours**

Standards of practice for outdoor professionals providing emergency medical care in remote areas. Consideration of prolonged transport times, severe environments, and the use of portable and improvised equipment. Topics include wilderness trauma and illness, search and rescue operations, and environmental emergencies. Upon successful completion of practical and written exams students will receive a two-year Wilderness First Responder certificate from Wilderness Medicine Institute of NOLS and a two year American Heart Association Adult Heartsaver CPR certification. A fee is associated with this course.

Offered summer term upon sufficient request

CMN 4413 Spiritual Formation in Christian Education Three hours

A study of theoretical models of spiritual development from an evangelical perspective which gives due consideration to the biblical-theological data. Students study various age groupings for analysis in spiritual development concerns. Implications for Christian Education strategies are discussed.

Offered fall semester

CMN 4433 Senior Seminar Three hours

A capstone course in Youth Ministry in which students strive (1) to integrate their previous academic and internship experiences, (2) to complete a professional portfolio of their education, experiences, and work-samples, and (3) to demonstrate competence in their discipline—how to assess needs, find answers, and provide help, information, or advice appropriately; continue personal and professional growth; refine their knowledge base; and increase capacity for personal reflection. Prerequisite: completion of internship

Offered spring semester

CMN 4443 Critical Concerns with Adolescents Three hours

An examination of some of the critical issues facing counselors, youth leaders, social workers, and educators by means of journal reviews, interviews, and computer searches. Students research topics such as teenage suicide, substance abuse, pregnancy and abortion, gangs, sexual/physical abuse, and divorce. (Same as FAM 4443)

Offered spring semester

CMN 4481, 4482, 4483 Selected Topics One to three hours

Topics are chosen from some areas of Christian Education. The student may also do an independent study and research under the supervision of the instructor. Prerequisite: consent of instructor

Offered upon sufficient request

CMN 4493 Foundations and Practice of Adult Ministries Three hours

Students are exposed to the general field of Adult Education from the perspective of local church and para-church ministry. The course provides students specific adult education strategies. Course content includes adult development, teaching strategies, adult learning theory, philosophy of adult education, and instructional design for adults in church education settings.

Offered spring semester (odd-numbered years)

CMN 4511, 4512, 4513 Independent Study in Christian Ministry One to three hours

Supervised exploration of topics of special interest. The course consists of large assignments of reading, regular consultation with the supervising professor, and written analysis of readings. Prerequisites: 15 hours of Christian Ministries and consent of the Christian Ministries department

Offered upon sufficient request

CMN 4533 WEA Expedition Leadership/Steward Course Three hours

An experiential expedition of approximately three-and-one-half weeks taught in a wilderness environment. Expedition skills are developed which enable students to lead others safely, using minimum impact techniques to preserve the environment. Offered in cooperation with the Wilderness Education Association (WEA), an organization which certifies graduates of the National Standard Program for Outdoor Leadership and the Steward Program. Additional fee associated with this course.

Offered each semester, as arranged with OLM advisor

CMN 4543 National Outdoor Leadership School Course

Three to twelve hours

An opportunity to enhance students' professional skills within a wilderness adventure environment. Courses vary in length. Offered in cooperation with the National Outdoor Leadership School. Additional fee associated with this course.

Offered each semester, as arranged with OLM advisor

CMN 4553 Outward Bound School Course Three to twelve hours

The purpose of an Outward Bound Course is to enhance students' personal qualities through wilderness adventure. Courses vary in length. Offered in cooperation with an Outward Bound School. Additional fee associated with this course.

Offered each semester, as arranged with OLM advisor

CMN 4611, 4612, 4614 Internship in Christian Ministry

One to four hours

Participation in an approved and supervised ministry activity. Credit is available only to majors and minors within the Division of Biblical Studies. Enrollment may be repeated as necessary to fulfill specified requirements. Grading: 'S' or 'U'.

Offered each semester

CMN 4619 Internship in Youth Ministry Nine hours

A seven-month appointment in which the student serves under a qualified professional in an approved setting. Enrollment is limited to Youth Ministry majors. Grading: 'S' or 'U'.

Offered fall semester

CMN 4651, 4652, 4654 Internship in Outdoor Leadership Ministries

One to four hours

Practical experience working under a qualified professional in the area of camp and recreation programs and/or outdoor education. Enrollment may be repeated as needed to fulfill the necessary requirement. Grading: 'S' or 'U'.

Offered each semester

COR (Core Curriculum)

COR 1001 Foundations of Christian Scholarship One hour

An exploration of the purpose and process of higher education in general and John Brown University in particular. Content includes nature and development of knowledge; an introduction to and rationale for the JBU Core Curriculum; theory and practice of critical thinking; achieving excellence through intentional learning; the role of responsibility in the learning process; knowledge and use of the University's resources; development of the student's life philosophy; and understanding and initiation of the career-planning process.

Offered each semester