

Trial Course

New Course

X



**The proposed course will increase student numbers and credit hours for CRCD. Because the target audience is unlikely to come to urban areas to take coursework, the proposed cl**

OTT 241  
Sheet 1

30 IMPACTS ON PROGRAMS/DEPARTMENTS

*What programs/departments will be affected by this proposed action?*  
*Include information on the Programs/Departments contacted for a small amount*



## COURSE SYLLABUS

**Course Title:** Introduction to Estimating, Cost Control, and Quality Control  
for Rural Residential Construction

**Course No:** CTT 241

**Credits:** 3 (3+0)

**Prerequisites:** CTT Certificate and CTT 240; or, permission of the  
instructor

**Instructor:** Rex Goolsby

of the predominate physical, logistical, and other factors which complicate construction projects in rural Alaska, as well as an understanding of the unique administrative requirements of NAHASDA and the complex political environment of rural Alaska. These skills will be applied to a demonstration project using the computer software and management tools provided with this course.

**Student Learning Outcomes:**

Upon completion of the course students will be able to:

1. Be proficient in the use of the project management tools included with this course, including budgeting and cost control spreadsheets, calculators, documentation forms and software.
2. Document activities, costs, labor, conversations and correspondence, requests for information (RFIs) and project changes. Indicate how these tasks are impacted by the unique funding sources and administrative and

<b>% of Total</b>	<b>Grade</b>
91 to 100%	A letter grade
81 to 90%	B letter grade
71 to 80%	C letter grade
60 to 70%	D letter grade
59% and below	F letter grade

Total points for the course will be assigned and weighted based on the following:

Attendance (10%) Attendance in class is required to gain information from the lecture and to participate in activities, attendance is graded as part of this course. Attendance will be taken at



Each Meeting day class will be from \_\_\_\_\_.

Day of Instruction		
Week	Date	
Week 1	TBA	Computer file management, documentation and communications, CJM pp. 95-114
	TBA	Computer file management, documentation and communications continued, CJM pp. 115-135
Week 2	TBA	WBS, Introduction to project scheduling, PM 8-1.0, 2.0, 3.0, Scheduling projects in rural Alaska: Timing, transportation, and logistics
	TBA	Project scheduling continued, PM 8-4.0, 4.1, 4.2,
Week 3	TBA	Project scheduling continued, PM 8-4.3
	TBA	Introduction to project estimating, PM 7-1.0, 1.1, 1.2 Estimating projects in rural Alaska: Added costs of transportation & logistics
Week 4	TBA	Project estimating continued, PM 7-2.0, 2.1, 2.2, 2.3, 3.0
	TBA	Project estimating continued, <b>Exam # 241-1: PM module 8, CJM chapter 5</b>
Week 5	TBA	Introduction to project budget and cost control, PM 7-3.2, 3.3, 4.0, 4.1, 4.2 Budget and Cost Control: NAHASDA regulations and reporting requirements
	TBA	Budget and cost control continued, PM 7-4.3, 4.4, 4.5
Week 6	TBA	Budget and cost control continued, PM 7-5.0, 5.1, 5.2, 6.0
	TBA	Coordinating estimating, cost control and scheduling
Week 7	TBA	Demonstration project, planning, estimating, budget, cost control and scheduling
	TBA	Demonstration project continued
Week 8	TBA	<b>Exam # 241-2 is the demonstration project presentation</b>
	TBA	Introduction to subcontracting, CJM pp. 258-278 Construction subcontracting under NAHASDA regulations
Week 9	TBA	Exercises in subcontracting
	TBA	Introduction to purchasing, CJM pp. 279-284 Procurement requirements under NAHASDA regulations
Week 10	TBA	Exercises in purchasing
	TBA	Introduction to quality control, PM module 10 Quality Control Challenges in Rural Alaska
Week 11	TBA	Successful Leadership, PM module 3
	TBA	<b>Exam # 241-3: PM module 3 and 10, CHM chapter 10</b>

**Course Policies:**

Students are expected to arrive ready to actively participate in the study and discussion of construction management principals and activities. Attendance is a critical component of this course and students must be on time and prepared for the course material.

**Support Services:**

The instructor is available upon appointment for additional assistance outside normal session/class hours.

**UAF Disabilities Services for Distance Students:**

UAF has a Disability Services office that operates in conjunction with the College of Rural and Community Development (CRCD) campuses and UAF's Center for Distance Education (CDE).

Disability Services, a part of UAF's Center for Health and Counseling, provides academic accommodations to enrolled students who are identified as being eligible for these services.

If you believe you are eligible, please visit <http://www.uaf.edu/chc/disability.html> on the web or contact a student affairs staff person at your nearest local campus. You can also contact Disability Services on the Fairbanks Campus at (907) 474-7043, [fydso@uaf.edu](mailto:fydso@uaf.edu).

**Writing Center:**