

ON THE JOB TRAINING AND TASK PERFORMANCE EVALUATION ON STANDARDIZED TASKS

Revised
11/28/2011

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COURSE NUMBER: RPT 213
MEETING TIMES: 0800-1600
CLASSROOM: ROOM E-43 EAST BUILDING
CENTRAL CAMPUS
INSTRUCTOR: CHRISTOPHER STOUT (980-522-3552)
OFFICE: E-40

PREREQUISITE(S): RPT 212 with a minimum grade of "B"

CO-REQUISITE(S): None

COURSE DESCRIPTION: This course includes on-the-job training and task performance evaluations of: Taking, Counting and Recording Surveys, Use of Alpha & Beta Gamma Smear Counters, Posting and RCZ Construction, Control and Storage of Radioactive Materials, and Monitor/Coach Workers Entering/Exiting Radiation Control Areas/Radiation Control Zones.

COURSE OUTCOMES Students should be able to demonstrate:

1. Rationality, logic and coherence through critical thinking;
2. Their ability to express themselves effectively in quantitative and qualitative terms;
3. The scientific method of inquiry;
4. Their ability to access, retrieve, synthesize and evaluate information.

TEXTBOOK(S): Duke Energy Handouts

REFERENCE(S): Duke Energy Employee Training & Qualification Standard 5000, Classroom, Laboratory and DLA Training and Evaluation
Duke Energy Employee Training & Qualification Standard 5300, On-The-Job Training and Evaluation (OJT/TPE)

OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT: Instrumentation, tools, laboratory exercises, Radiation Protection Job Performance Measures, training and qualification guides, and Duke Energy procedures for training and task performance evaluations will be provided by Duke Energy.

METHOD OF INSTRUCTION: This lesson will be taught by on-the-job training and task performance evaluations such that the student will be able to perform five common tasks unsupervised.

GRADING SYSTEM: PASS = A
FAIL = F

GRADE CALCULATION METHOD:

Multiple laboratory guides will be used to train and evaluate student performance of specific skill elements. A minimum score of "Sat" must be achieved on all laboratory guide evaluations. Sat (Satisfactory) is defined as performing the skill elements safely and in accordance with approved Radiation Protection procedures. Failure of any laboratory guide evaluation requires remediation and re-evaluation. If the student passes the re-evaluation, a score of Sat will be recorded. All laboratory guides must be satisfactorily completed prior to task qualification.

Task qualification is completed per the formal On the Job Training (OJT)/Task Performance Evaluation (TPE) process used at Duke Energy. Students will undergo OJT for skills identified as "Key Skills". Students are required to demonstrate their ability to perform all key skills independently in compliance with all approved radiation protection procedures and all applicable management expectations. Failure of TPE requires remediation and re-evaluation of those skills evaluated as unsatisfactory. Successful completion of the TPE will result in qualifications being granted to eight Duke Energy fundamental radiation protection tasks. Any students failing to satisfactorily complete the TPE will not be permitted to participate in the final internship.

ATTENDANCE POLICY:

The student is responsible for punctual and regular attendance in all classes, laboratories, clinical, practical internships, field trips, and other class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. **When illness or other emergencies occur, the student is responsible for notifying instructors and completing work missed.**

During the first 75% of the course a student may initiate withdrawal and receive a grade of a W. A student cannot initiate a withdrawal during the last 25% of the course.

The student is tardy if not in class at the time the class is scheduled to begin and is admitted to class at the discretion of the instructor. If late, please enter the class discreetly. **No student will be admitted following distribution of exam materials.**

Instructors maintain attendance records. However, it is the student's responsibility to withdraw from a course. A student enrolling in and attending at least one course session remains enrolled until the student initiates a withdrawal.

Absences for Religious Holidays: Students who are absent from class in order to observe religious holidays are responsible for the content of any activities missed and for the completion of assignments occurring during the period of absence. Students who anticipate their observance of religious holidays will cause them to be absent from class and do not wish such absences to penalize their status in class should adhere to the following guidelines:

1. Observance of religious holidays resulting in three or fewer consecutive absences: Discuss the situation with the instructor and provide written notice at least one week prior to the absence(s). Develop (in writing) an instructor-approved plan which outlines the make up of activities and assignments.
2. Observances of religious holidays resulting in four or more consecutive absences: Discuss the situation with the instructor and provide the instructor with written notice within the first 10 days of the academic term. Develop an instructor-approved plan which outlines the make up of activities and assignments.

ACADEMIC CONDUCT:

ACADEMIC DISHONESTY: Students are expected to uphold the integrity of

the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook. All students are required to read and sign a Duke Energy Test Integrity Form/Cover Sheet when taking Duke Energy examinations.

CELLULAR PHONES AND PAGERS/BEEPERS: Cellular phones, pagers and beepers are not permitted to be turned on or used within the classroom. Use of these devices during classroom time will be considered a violation of the student code as it relates to "disruptive behavior."

**CLASS/LAB
PROCEDURES:**

Duke Energy instructors will provide on-the-job (OJT) for each task and allow each student time to practice task skills until the instructor feels the trainee is ready for the task performance evaluation. A Duke Energy line representative who is qualified to the specific task will conduct the task performance evaluation. The task training and qualification (T&Q) guide will be used

ACCOMMODATIONS:

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services by calling (864) 592-4818, toll-free 1-800-922-3679; via email through the SCC web site at www.sccsc.edu/resources/disabilities; or by visiting the office located in the East Building Room 30-B on the SCC Central campus. Contacting Student Disability Services early in the semester gives the College an opportunity to provide necessary support services and appropriate accommodations.

**COURSE
COMPETENCIES &
OBJECTIVES:**

Upon satisfactory completion of this course, the student will be able to:

- I. Demonstrate proficiency in performing nine common tasks in the Surveillance and Control Discipline in accordance with Duke Energy standards and procedures.
 1. Take, count, and record a routine radiological survey.
 2. Use an alpha and beta/gamma smear counter.
 3. Construct and post a Radiation Control Zone (RCZ).
 4. Control and store radioactive materials.
 5. Coach/mentor personnel entering and entering a Radiation Control Area (RCA) and a Radiation Control Zone (RCZ).
 6. Alpha Program
 7. Operation of Neutron Survey Instruments
 8. Operation of the iSolo Smear Counter
 9. Operation of the Ludlum 3030P Portable Smear Counter
 10. Lapel air sampling.