NTID
Computer Aided Drafting Technology Outcomes Assessment
Plan and Report for AY 2007-2008

Program Goal: Students develop CAD job-entry skills in the Manufacturing or Architectural/Engineering/Construction (A/E/C) area. Graduates have a broad knowledge of and skills in computer aided drafting technology, applications, and procedures. Technical jobs may include CAD operator, CAD technician, drafter, detailer, or designer.

Critical Outcomes for all Students		Assessment of Outcomes		Timeline		Results	
Domain/Task/ Capability	**Performance Criteria/ Benchmarks**	**Instrument/ Opportunity**	**Assessment of Performance**	**Develop**	**Collect**	**Summarization of Results**	**Use of Results**
1. Technical	Student will 1. select and use commands from 3-D drawing and editing toolbars. 2. draw a 3-D model. 3. extract from a 3-D model the following drawings: elevation, sections, floor plan 4. create/add dimensions and tolerances.	Produce a 3-D model(s) from preliminary sketches and will derive from the model(s) the orthographic views with dimensions at the end of Construction CAD III.	Given a series of sketches of a building on site 80% of students will produce a complete set of CAD drawings and related supporting technical information, scoring “acceptable/meets entry level professional standards” for all performance elements.	Winter 20052	Winter 20072	For quarter 20072 (n=12), 80% of students scored "acceptable" or better for 3 of 5 technical skill categories. 75% of students scored "acceptable" or better for other 2 technical skill categories.	We need one more round of this assessment before we can determine what needs to be adjusted; however, will address the "assessment" element immediately. The first two assessments cycles show different challenges.
2. Technical	Student will 1. find technical information and other source material on the Internet and incorporate into drawings and documentation. 2. generate renderings and animations. 3. demonstrate presentation skills.	Create a 3-D model w/ technical documentation for a small office or commercial building and create presentation graphics.	Given a project and design specifications, 80% of CADT students will produce construction documents and presentation graphics scoring “acceptable/meets entry level professional standards” for all performance elements	Winter 20052	Fall 20071	For quarter 20071 (n=8), 88% of students scored "acceptable" or better for 1 of 3 technical skill categories.	We need more data to determine what needs to be adjusted.
3. Job Skills	Student will	Co-op	Score of 3 or	Winter	Summer	For students in	Met

	1. find technical information and other source material on the Internet and incorporate into drawings and documentation. 2. generate renderings and animations. 3. demonstrate presentation skills.	Supervisor Evaluation Form	higher on the RIT Supervisor On-line Co-op Evaluation System, sections "Interaction in the Work Environment," "Quality of Work," and "Communication and Literacy Skills."	20052	20064	the Engineering Studies Department, the mean ratings exceeded all performance expectations during the four quarters 20064-20073.	expectations and no action needed.
4. Co-op Work Experience	Students will demonstrate technical competency on the job in CAD	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation System, overall student job performance question.	Winter 20052	Summer 20064	For students in the Engineering Studies Department the mean rating by co-op supervisors who completed the evaluation online was 4.0 (N=15) during the four quarters 20064-20073.	Met expectations and no action needed.
5. Job Placement	Students will gain entry-level employment in A/E/C CAD field	NCE	90% of graduates will be employed in the field of A/E/C CADT.	Winter 20062	Winter 20072	For AY 2005-2006 n=8; 100% of students seeking employment were working	Met expectations and no action needed.
6. Student Satisfaction	Graduating students will indicate satisfaction with program and courses.	Survey	80% of students will rate all aspects of the program and courses as satisfactory or above.	Winter 20052	Spring 20073	No survey was developed.	We will develop a survey and poll during AY 20081 during the Department of Engineering Studies' 7th quarter curriculum mask.
7. Alumni Satisfaction	Alumni will indicate satisfaction with	Alumni Survey	80% of Alumni will rate their NTID/RIT experience as	AY 2007-2008	AY 2007-2008	For Engineering Studies Department AOS & AAS	Met expectations and no action

	the instruction they received at NTID/RIT.		Good or Excellent (5-point scale) for the instruction they received.			alumni who graduated from 2001-2006 and responded to the 2007 alumni survey, N=12; 91.7% indicated satisfaction.	needed.
Comments:							
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