NTID
Applied Optical Technology Program Outcomes Assessment
Plan and Report for AY 2006-2007 Middle States

Program Goal: Students develop job-entry applied optical skills in the Precision Optics/Ophthalmic areas. Graduates will have a broad knowledge of and skills in the manufacturing of optical elements/lenses, applications, and procedures. Technical job opportunities include optical technicians (fabricators/esters/assemblers/CNC operators), and ophthalmic service providers.

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	Students will apply basic optical principles used in the conventional manufacturing of precision optical elements and ophthalmic lenses.	Prepare precision optics elements and ophthalmic lenses using conventional manufacturing tools through a demonstration test for Application of Lens Surfacing.	Given optical elements to be prepared using conventional production principles for producing precision elements or ophthalmic lenses, 80% of the students will accurately complete a work order.	20062	20072	An assessment checklist is current in the works.	NA
2. Technical	Students will apply basic measurement principles to test the surface quality of optical elements.	Analyze and inspect optical elements or ophthalmic lenses according to engineering data and drawings or by filling an ophthalmic lens prescription through a demonstration test for Optical Processing II.	Given optical materials to be prepared according to engineering data and drawings or by filling an ophthalmic lens prescription, 80% of the students will accurately complete a work order or prescription.	20062	20081	An assessment checklist is current in the works.	NA
3. Technical	Students will be able to produce and	Prepare precision optics	Given optical materials and engineering	20062	20081	An assessment checklist is current in the	NA

	determine surface quality of simple plano, convex and concave spherical surfaces (elements) according to engineering specifications.	elements using conventional manufacturing tools through a demonstration test for Precision Optics Manufacturing II.	specifications 80% of students will be able to produce flat and spherical surfaces and determine surface quality based on industry standards.			works.	
4. Job Skills	Students will demonstrate problem-solving, decision-making, responsibility, pride in self and work performance, and other learned behaviors and attitudes necessary for entering the work force and being self-sufficient.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation system, sections "Interaction in the Work Environment," "Quality of Work," and Communication and Literacy Skills."	20052	20064		
5. Co-op Work Experience	Students will demonstrate technical competency on the job in precision optics or ophthalmic industries which will allow them access to participation within our global society.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT On-line Co-op Evaluation system, sections "Problem Solving" and "Technical Skills."	20052	20064		
6. Job Placement	Students will gain entry-level employment	NCE	90% of graduates will be employed in the field of	20062	20072	NA	NA

	in the optics field.		precision optics or ophthalmic industries.				
7. Student Satisfaction	Graduating students will indicate satisfaction with program and courses.	Survey	85% of students will rate all aspects of the program and courses as satisfactory or above.	2002	20071		
Comments:							
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