

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: LEOT 365

Department: Laser Electro-Optics
Technology

Course Title: Senior Project Research

Semester: Fall Year: 2010

Course Objectives	Competencies
<ol style="list-style-type: none">1. Identify an appropriate and manageable topic that will be the basis for a senior project that can be designed, built and tested in a 15 weeks semester.2. Conduct background research of senior project topic using current literature including journals, magazines and Internet.3. Create a written proposal for the senior project that will be designed and built the following semester	<ol style="list-style-type: none">1. Develop design/project specifications2. Develop a realistic project timeline3. Create a Gantt chart4. Identify and select proper components and resources for the project5. Understand the prototype development process6. Develop project performance criteria7. Create a viable test plan8. Demonstrate effective written and oral communications9. Demonstrate proper use of Chicago-style format10. Work effectively as a member of a team