

**EAST CAROLINA UNIVERSITY**  
**College of Business**  
**Detailed Course Information**

<b>I. Course</b>
<b>OMGT 4383 Supply Chain Systems</b>
<b>II. Instructor &amp; Textbook Information</b>
<p>All instructors in the College of Business are either academically or professionally qualified to teach their courses. All graduate classes are taught by faculty with terminal degrees in the relevant field of study. Faculty who teach online courses also teach face-to-face campus courses.</p> <p>To review current textbook information visit the bookstore's website: <a href="http://epos2.sequoiars.com/ePOS?form=cat.html&amp;cat=1&amp;store=458">http://epos2.sequoiars.com/ePOS?form=cat.html&amp;cat=1&amp;store=458</a> and follow the link at the bottom of the page.</p>
<b>III. Expanded Course Description</b>
<p>Application of technology to three key aspects of a supply chain's competitive advantage: product design, product demand estimation, and supply chain systems analysis.</p> <p>Pre-requisites for this class are: OMGT 3123</p>
<b>IV. Course Objectives</b>
<p>Students who successfully complete the course will understand the systems principles for the design of an effective supply chain. To accomplish this we will explore systems principles, analyze supply chain performance, develop models of demand estimation matching supply with demand. We also investigate collaborative processes for development and introduction of new products.</p>
<b>V. Course Topics</b>
<ul style="list-style-type: none"><li>• Supply chain systems analysis including lead times, capacity and cost performance.</li><li>• The design and operation of lean supply chains.</li><li>• Innovation and development of new products and services in the supply chain.</li><li>• Application of technology in the supply chain including product development, RFID, and web services</li><li>• Building a responsive supply chain matching supply and demand</li><li>• Demand estimation and collaborative planning, forecasting, and replenishment.</li></ul>
<b>VI. Required Coursework</b>
<p>Exact requirements may vary, but typically, to successfully complete this course, the student will be required to complete 6 discussions of key supply chain issues, write 3 supply chain case analysis as a group project, successfully manage a supply chain business simulator, and pass a mid-semester and final exam.</p>
<b>VII. Course Communication &amp; Interaction</b>

Course interaction will be via email, chat sessions, class discussions, and audio/video content files.

### **VIII. Computer/Technical Requirements Additional Notes/Comments**

The university recommends specific technology when taking an online class. These recommendations can be found at: <http://www.ecu.edu/ace> . All online courses require ready access to the Internet and a suitable personal computer.

In addition to the university requirements this class requires no additional technology requirements.

### **IX. Additional Information**

Disabilities: ECU seeks to comply fully with the Americans with Disabilities Act (ADA). The Department for Disability Support Services adapts the generalized services to the specialized needs of individuals with disabilities. Students requesting accommodations based on a disability must be registered with the Department for Disability Support Services located in Slay 138 (252) 737-1016 (Voice/TTY). Additional program information is available at <http://www.ecu.edu/cs-studentlife/dss/>

Calendar: Online classes typically follow the standard ECU [academic calendar](#) for the semester in which they are taken.

### **X. Additional Notes/Comments**

ECU maintains accreditation with [The Association to Advance Collegiate Schools of Business \(AACSB\)](#). To comply with the constant quality improvement objectives of the AACSB, adjustments are made to all course requirements. Contact the instructor for this class the semester you plan to take it to obtain detailed information.