

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	ATT 1810
COURSE TITLE:	Environment of the Air Traffic Controller
PREREQUISITE(S):	None
COREQUISITE(S):	None
CREDIT HOURS:	3
CONTACT HOURS/WEEK:	3
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	3
Laboratory:	
Other _____:	
FACULTY WORKLOAD POINTS:	3
STANDARDIZED CLASS SIZE ALLOCATION:	30
CATALOG COURSE DESCRIPTION:	
<p>This course is designed for both students of aviation and the student interested in pursuing a career as an Air Traffic Controller, a better understanding of the Air Traffic Controller's mission and working environment. This course presents a candid view of the Air Traffic Controller's language, tools and profession.</p>	
SUGGESTED TEXT(S):	<u>Fundamentals of Air Traffic Control</u> , 3 <sup>rd</sup> Edition, Nolan, Michael S.
IMPLEMENTATION DATE:	October 8, 1984
REVIEW OR MODIFICATION DATE:	Fall Term, 2002 (20031) Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. History of ATC	3
II. Air Traffic Control System	9
III. Air Traffic Control Communications	9
IV. Radar	9
V. National Airspace System	9
VI. Examinations	6

PROGRAM TITLE: Aviation Operations  
 COURSE TITLE: Environment of the Air Traffic Controller  
 CIP NUMBER: 0649.010400

## LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

- 02.0 DEMONSTRATE UNDERSTANDING OF FEDERAL AVIATION ADMINISTRATION, STATE AND OTHER GOVERNMENTAL LAWS, RULES AND POLICIES - The student will be able to:
- 02.02 Describe the function, basic organization and responsibility of the National Transportation Safety Board.
  - 02.03 Explain major portions of Parts 1, 61, 67, 77, 91, and 830 and FAR Parts 108 and 139 of the Federal Aviation Regulations.
  - 02.05 List and describe the major federal statutes pertaining to the regulation of aviation safety.
  - 02.08 Describe the development of aviation laws and their analogy to the Law of the Sea.
- 03.0 DEMONSTRATE AN UNDERSTANDING OF PERSONNEL MANAGEMENT - The student will be able to:
- 03.02 Discuss governmental relations in personnel management.
  - 03.03 State the general nature of job and personnel requirements; also technical and managerial employee requirements.
- 06.0 PREPARE, ANALYZE AND EVALUATE TECHNICAL REPORTS AND DATA - The student will be able to:
- 06.01 State the five basic guidelines for preparation of technical reports.
- 07.0 DEMONSTRATE AN UNDERSTANDING OF FEDERAL AND STATE SECURITY PROCEDURES -- The student will be able to:
- 07.02 Describe and define federal security laws.
  - 07.03 List known security risk features.
- 08.0 MAINTAIN PERSONNEL RECORDS AND BUDGETS - The student will be able to:
- 08.06 Discuss the specific statistical goals sought and tasks to be undertaken by the personnel department, such as the number of people to hire, types of personnel, grievance or bargaining sessions, anticipated worker accidents or illnesses.

PROGRAM TITLE: Professional Pilot Technology  
COURSE TITLE: Environment of the Air Traffic Controller  
CIP NUMBER: 1649.010200

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLES(S):

03.0 UNDERSTAND AND EXPLAIN FEDERAL AVIATION ADMINISTRATION REGULATIONS—The student will be able to:

03.01 Explain major portion of Parts 1, 61, 67, 91, 135 and NTSB of the Federal Aviation Regulations.

09.0 DEMONSTRATE EFFECTIVE COMMUNICATION SKILLS—The student will be able to:

09.01 Write logical and understandable statements, or phrases, to accurately fill out forms/invoices commonly used in business and industry.

09.02 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.

09.03 Read and follow written and oral English instructions.

09.04 Answer and ask questions coherently and concisely.

09.05 Read critically by recognizing assumptions and implications and by evaluating ideas.

09.06 Demonstrate telephone/communication skills.

09.07 Demonstrate knowledge and use of appropriate computer skills.

09.08 Demonstrate interpersonal skills.



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

<b>Section 1</b>	
<b>COURSE PREFIX AND NUMBER:</b> ATT1810	<b>SEMESTER CREDIT HOURS (CC):</b> CONTACT HOURS (NCC): <u>45</u>
<b>COURSE TITLE:</b> Environment of the Air Traffic Controller	

<b>Section 2</b>		
<b>TYPE OF COURSE: (Click on the box to check all that apply)</b>		
<input type="checkbox"/> AA Elective	<input checked="" type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input checked="" type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> PSAV	<input type="checkbox"/> Apprenticeship
<input type="checkbox"/> General Education: (For General Education courses, you must also complete Section 3 and Section 7)		

<b>Section 3 (If applicable)</b>		
<b>INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:</b>		
<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
<input type="checkbox"/> Natural Sciences	<input type="checkbox"/> Humanities	

<b>Section 4</b>		
<b>INTELLECTUAL COMPETENCIES:</b>		
<input type="checkbox"/> Reading	<input type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis
<input type="checkbox"/> Writing	<input type="checkbox"/> Listening	<input checked="" type="checkbox"/> Quantitative Skills
<input type="checkbox"/> Information Literacy	<input type="checkbox"/> Ethical Judgment	<input type="checkbox"/> Scientific Method of Inquiry
<input type="checkbox"/> Working Collaboratively		

<b>Section 5</b>	<b>LEARNING OUTCOMES</b>	<b>METHOD OF ASSESSMENT</b>
•	Demonstrate an understanding of the history of Air Traffic Control	Written testing
•	Demonstrate an understanding of the current environment of the air traffic controller	Written testing
•	Demonstrate an understanding of the communications requirements in the air traffic control system.	Written testing/Oral Presentation
•	Demonstrate an understanding of the National Airspace System.	Written testing/Oral Presentation
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<b>Section 6</b>	
Name of Person Completing This Form: David W. Dagenais	Date: 09-12-2008