

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	ASC 1010
COURSE TITLE:	History of Air Transportation/National Airspace System
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:

This introductory level course presents a chronological history of man's quest for flight starting with early attempts of man-powered heavier-than-air flight, progressing through lighter-than-air flight, un-powered flight, external combustion powered flight, and finally, internal combustion powered flight. Both manned and unmanned flight will be considered. Particular emphasis will be given to problems of weight, power and control of aircraft in flight. This course will also provide an overview of the evolution of regulations, airspace allocation, security issues, the Air Traffic Control systems, safety of flight, accident analysis, developments in navigation, as well as the economic, social and political impacts of flight.

SUGGESTED TEXT(S):	<u>Aviation History</u> , Millbrooke, Ann Jeppesen, Sanderson Training Products Publisher, 1999
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IMPLEMENTATION DATE:	May 14, 1984
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REVIEW OR MODIFICATION DATE:	Fall Term, 2002 (20031) Fall Term, 2003 (20041) Fall Term 2008 (20091) - Outline Review 2007
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COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Man's Efforts to Fly	3
II. Development of the Airplane	6
III. Importance of Air Transportation	3
IV. The Beginning of Commercial Air Transportation	3
V. The Air Carrier Industry	3
VI. Federal Legislation, Airspace, and Security	6
VII. The Department of Transportation	3
VIII. The Federal Aviation Act - 1958	3
IX. The Federal Aviation Administration	6
X. The National Transportation Safety Board	3
XI. The Civil Aeronautics Board	3
XII. Deregulation	3

PROGRAM TITLE: Aviation Maintenance Management
COURSE TITLE: History of Air Transportation/National Airspace System
CIP NUMBER: 0649.010401

List performance standard addressed:

NUMBER(S): TITLE(S):

44.0 DEMONSTRATE KNOWLEDGE OF FAA AIRCRAFT MECHANIC LICENSING REQUIREMENTS—The student will be able to:

- 44.01 Successfully complete the FAA powerplant written, oral and practical examinations.
- 44.02 Display an FAA powerplant Mechanic's certificate.
- 44.03 Successfully complete the FAA airframe written, oral and practical examinations.
- 44.04 Display an FAA airframe mechanic's certificate.

45.0 DEMONSTRATE THE HUMAN RELATIONS SKILLS NECESSARY FOR SUCCESS IN SUPERVISION—The student will be able to:

- 45.01 Exhibit the ability to get along with others.
- 45.02 Discuss the importance of human relations.
- 45.03 Develop and demonstrate the unique human relations skills needed for successful entry and progress in supervising others.

46.0 DEMONSTRATE KNOWLEDGE OF SKILLS AND ATTITUDES THE SUPERVISOR NEEDS FOR EFFECTIVE PERFORMANCE—The student will be able to:

- 46.01 Describe leadership theory and its complexity.
- 46.04 Discuss pertinent legislation and the role of government intervention.

48.0 DEMONSTRATE APPROPRIATE COMMUNICATION SKILLS—The student will be able to:

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

PROGRAM TITLE: Aviation Operations

COURSE TITLE: History of Air Transportation/National Airspace System

CIP NUMBER: 0649.010401

LIST PERFORMANCE STANDARD ADDRESSED:

NUMBER(S): TITLE(S):

04.0 DEMONSTRATE UNDERSTANDING OF FEDERAL AVIATION ADMINISTRATION, STATE AND OTHER GOVERNMENTAL LAWS, RULES AND POLICIES—The student will be able to:

- 04.01 Describe the economic, social and political importance of commercial aviation, general aviation and aircraft manufacturing in the United States.
- 04.02 Describe the function, basic organization and responsibility of the National Transportation Safety Board.
- 04.03 Explain major portions of Parts 1, 61, 67, 77, 91, 830 and FAR Parts 108 and 139 of the Federal Aviation Regulations.
- 04.04 List and describe the federal statutes pertaining to the economic regulation of the airline industry.
- 04.05 List and describe the major federal statutes pertaining to the regulation of aviation safety.
- 04.06 Describe the historical and current relationship between the U.S. Post Office and the aviation industry.
- 04.07 List and describe six categories of general aviation.
- 04.08 Describe the development of aviation laws and their analogy to the Law of the Sea.
- 04.09 Explain the Department of Transportation, State of Florida, and its structure as relates to the aircraft industry.

08.0 DEMONSTRATE APPROPRIATE COMMUNICATION SKILLS—The student will be able to:

- 08.01 Write logical and understandable statements, or phrases, to complete with accuracy the forms/invoices commonly used in business and industry.
- 08.02 Read and understand graphs, charts, diagrams, and tables commonly used in this industry/occupation area.
- 08.03 Read and follow written and oral instructions.
- 08.04 Answer and ask questions coherently and concisely.
- 08.05 Read critically by recognizing assumptions and implications and by evaluating ideas.
- 08.06 Demonstrate appropriate telephone/communication skills.