

## COURSE DESCRIPTIONS

### ROTC COURSES

#### (AIRF)

**AIRF 100T**      **Transfer Elective: Lower Div**      **0.70 to 3.30 CREDITS**

**AIRF 300T**      **Transfer Elective: Upper Div**      **0.70 to 3.30 CREDITS**

**AIRF SET1**      **Lower Division Elective**      **0.70 to 3.30 CREDITS**

**AIRF SET2**      **Upper Division Elective**      **0.70 to 3.30 CREDITS**

**AIRF 1010**      **Heritage & Values Usaf I**      **1 CREDIT**  
Development, organization and doctrine of the U.S. Air Force, emphasizing Strategic Force Requirements. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 1011**      **Foundations of the USAF II**      **1 CREDIT**  
Development and organization of United States Air Force Defensive Forces, General Purpose Forces and Tactical Air Forces. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 1110**      **General Military Leadership Lab I**      **1 CREDIT**  
Studies and experience in Air Force standards, customs and courtesies. Introduction to drill and ceremonies. Studies typical organizations and missions of Air Force bases through field trips. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 1111**      **General Military Leadership Lab II**      **1 CREDIT**  
Studies and experience in Air Force standards, customs and courtesies. Introduction to drill and ceremonies. Studies typical organizations and missions of Air Force bases through field trips. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 2006**      **Aerospace Studies Physical Fitness**      **1 CREDIT**  
Physical fitness for Aerospace Studies students and others. A variety of activities will be offered. Special focus on Air Force PFT preparation. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 2010**      **Team Leadership Fundamentals Usaf I**      **1 CREDIT**  
Development of various concepts of air power employment, emphasizing factors that have prompted research and technological change. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 2011**      **Evolution of USAF Air and Space Power**      **1 CREDIT**  
Development of various concepts of air power employment, emphasizing factors that have prompted research and technological change. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 2110**      **General Military Lab III**      **1 CREDIT**  
Application of Air Force standards, customs and courtesies. Drill and ceremonies leadership, introduction to reviews and honors. First-hand exposure to various career opportunities within the Air Force and their applications on a typical Air Force base. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 2111**      **General Military Leadership Lab IV**      **1 CREDIT**  
Application of Air Force standards, customs and courtesies. Drill and ceremonies leadership, introduction to reviews and honors. First-hand exposure to various career opportunities within the Air Force and their application on a typical Air Force base. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 3000**      **AFROTC field Training**      **3 CREDITS**  
Four to six weeks of field training conducted at United States Air Force bases as arranged by the Professor of Aerospace Studies. Course prepares AFROTC for POC entry. The course offers a minimum of 269 hours of education in Officership, Air Force Orientation, Leadership, and Physical/Survival Training.

Normally offered between the sophomore and junior years. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 3010**      **Lead People Comm USAF I**      **3 CREDITS**  
Writing, speaking, and listening as communication skills; management concepts; responsibilities and ethics for an Air Force junior officer. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 3011**      **Leadership Studies II**      **3 CREDITS**  
Principles of leadership, problem solving, decisions, discipline, and human relations. Emphasis on career planning as an Air Force junior officer. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 3110**      **Professional Office Course I, Leadership Lab I**      **1 CREDIT**  
Application of leadership and management skills in leadership positions in a student-run organization. Study of general structure and progression patterns common to selected Air Force officer career fields. Application of personnel performance evaluation techniques. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 3111**      **Professional Officer Course, Leadership Lab II**      **1 CREDIT**  
Application of leadership and management skills in leadership positions in a student-run organization. Study of general structure and progression patterns common to selected Air Force officer career fields. Application of personnel performance evaluation techniques. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 4010**      **National Security Affairs I**      **3 CREDITS**  
Examines the need for national security, analyzes the evolution and formulation of American defensive policy, strategy and joint doctrine. Investigates methods for managing conflict and touches on arms control and terrorism. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 4011**      **National Security Affairs II**      **3 CREDITS**  
Examines conflict management, arms control, military law, and Air Force issues and policies. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 4110**      **Professional Office Course, Leadership Lab III**      **1 CREDIT**  
Application of leadership and managerial techniques with individuals and groups. Introduction to operations and communications security. Introduction to advanced educational opportunities available to Air Force officers. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 4111**      **Professional Officer Course, Leadership Lab IV**      **1 CREDIT**  
Application of leadership and managerial techniques with individuals and groups. Introduction to operations and communications security. Introduction to advanced educational opportunities available to Air Force officers. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**AIRF 4990**      **Directed Studies**      **1 to 5 CREDITS**  
Directed study for Professional Officer Course students pursuing additional experience in professional military subjects. This course may be repeated for credit. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions. This course is repeatable for credit.

#### (ARMY)

**ARMY 100T**      **Transfer Elective: Lower Div**      **0.70 to 3.30 CREDITS**

**ARMY 300T**      **Transfer Elective: Upper Div**      **0.70 to 3.30 CREDITS**

## Course Descriptions

<b>ARMY SET1</b>	<b>Lower Division Elective</b>	<b>0.70 to 3.30 CREDITS</b>	<b>ARMY 3010</b>	<b>Training Management and Warfighting, Development I</b>	<b>3 CREDITS</b>
<b>ARMY SET2</b>	<b>Upper Division Elective</b>	<b>0.70 to 3.30 CREDITS</b>			
<b>ARMY 1010</b>	<b>Introduction to the Army</b>	<b>2 CREDITS</b>			
Acquaints students with leadership, management, and life skills. Strong focus on assessing an individual's leadership strengths and weaknesses through classroom instruction and hands-on application via a wide variety of activities including rappelling, land navigation, rifle marksmanship, leadership reaction course and water survival. Introduces students to the Army culture and lifestyle through basic soldier skills including drill and ceremony and the wearing of the army battle dress uniform. Students must participate in a three hour lab each week which gives hands-on training for the above and a one hour physical fitness course, three times a week. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
<b>ARMY 1020</b>	<b>Introduction to the Profession of Arms</b>	<b>2 CREDITS</b>	<b>ARMY 3020</b>	<b>Applied Leadership in Small Op's, Development II</b>	<b>3 CREDITS</b>
Continued leadership development and confidence building through practical exercises. Activities include helicopter assault and squad and platoon situational exercises. Includes the use of basic military skills as a vehicle for leader development. Introduces students to Army customs and traditions. Capstone events include a field training exercise held at Camp Williams, Utah. Students are required to participate in a three hour lab each week which gives hands-on training for the above and a one hour physical fitness course, three times a week. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
			<b>ARMY 3950</b>	<b>Independent Study</b>	<b>1 to 3 CREDITS</b>
			Students select advanced topics of interest and arrange credit under program adviser supervision in areas related to military science. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.		
<b>ARMY 1060</b>	<b>Military Physical Readiness</b>	<b>1 CREDIT</b>	<b>ARMY 3960</b>	<b>Military History Leadership in Adversity</b>	<b>3 CREDITS</b>
A concentrated physical training program to prepare students for the rigors of military service and warfare through a systematic physical-conditioning program. Emphasis on cardiovascular and muscular development as well as stamina. Students must be enrolled in MIL S 1010, 1020, 2010, 2020, 3010, 3020, 4010, or 4020. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
			<b>ARMY 4010</b>	<b>The Army Officer</b>	<b>4 CREDITS</b>
<b>ARMY 2010</b>	<b>Leadership and Decision Making</b>	<b>3 CREDITS</b>	Analysis of training management and other staff procedures as they relate to contemporary military leadership. Study of the military justice system and its application. A study of various ethical and professional issues related to junior military officers. Selected topics in advanced leadership and officership designed to prepare the student for commissioning as a second lieutenant in the U.S. Army. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.		
Development of leadership and management skills through practical exercises, adventure training, and basic military skills. Emphasis on problem-solving and decision-making skills at the team level. Training exercises include land navigation, rappelling, mountaineering, water safety, and rifle marksmanship. Students are required to participate in a three hour lab each week which gives hands on training for the above and a one hour physical fitness course, three times a week. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
<b>ARMY 2020</b>	<b>Army Doctrine and Team Development</b>	<b>3 CREDITS</b>	<b>ARMY 4020</b>	<b>Company Grade Leadership</b>	<b>4 CREDITS</b>
Continued progressive development of leadership and management skills. Implementation of decision-making procedures in a classroom and field environment. Practical application in leadership principles. Provides an assessment of skills learned. Leadership development is evaluated through execution of basic military skills. Exercises include practical field training experience. Students are required to participate in a three hour lab each week which gives hands on training for the above and a one hour physical fitness course, three times a week. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
			<b>ARMY 4950</b>	<b>Senior Seminar</b>	<b>1 to 4 CREDITS</b>
			For students who wish to explore a professional military subject prior to commissioning. Topics and credit are arranged with program adviser. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.		
			<b>(NAVY)</b>		
<b>ARMY 2090</b>	<b>Ranger Challenge</b>	<b>2 CREDITS</b>	<b>NAVY 300T</b>	<b>Transfer Elective: Upper Div</b>	<b>0.70 to 3.30 CREDITS</b>
A concentrated physical- and military-skills training program to prepare students for participation in a regional military skills competition. Intense physical training requirements and rigorous training schedule. Focus on teamwork and physical, mental, and emotional endurance. Students must be enrolled in MIL S 1010, 1020, 2010, 3010, 3020, 4010, or 4020 in order to participate. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
<b>ARMY 2950</b>	<b>Independent Study</b>	<b>2 to 3 CREDITS</b>	<b>NAVY SET1</b>	<b>Lower Division Elective</b>	<b>0.70 to 3.30 CREDITS</b>
A concentrated course of study that combines key elements of the Military Science 1000- and 2000-level courses. The purpose of this class is to qualify students for the Army ROTC Cadet Leaders Course (LDAC). For students who have missed one semester of 1000- or 2000-level courses. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.					
			<b>NAVY SET2</b>	<b>Upper Division Elective</b>	<b>0.70 to 3.30 CREDITS</b>
			<b>NAVY 1010</b>	<b>Introduction to Naval Science</b>	<b>2 CREDITS</b>
			This course is designed to provide midshipmen with a broad overview of the United States Navy, its missions, organization, customs, traditions, and the duties required of today's junior officers. In addition, this course is designed to provide each midshipmen with the basic knowledge needed for their first cruise aboard a navy ship by imparting basic information concerning shipboard procedures, safety, damage control, and shipboard organization. It is not the intent of this course to cover each area in great detail, but rather to stimulate the interest of students for study and investigation in the future. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.		
			<b>NAVY 1020</b>	<b>Seapower and Maritime Affairs</b>	<b>3 CREDITS</b>
			In this course we will study the history of our naval service. To simplify this endeavor, we will focus on understanding how the national and domestic		

environment, foreign policy, technology, leadership, doctrine, strategy, and tactics have shaped the outcome of many military events. By studying these recurrent themes and their influence throughout history, we will stretch the breadth of your current decision-making focus and thereby cultivate your leadership development. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 2000 Leadership and Management 3 CREDITS**

The course examines organizational behavior, and management and leadership principles in the context of the naval or marine corps organization. Management theory, ethics, tactical and strategic planning, decision making, motivational techniques, group dynamics and analytical skills are examined with the goal of developing effective managerial skills and leadership fundamentals. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 2020 Naval Ship Systems II - Engineering 3 CREDITS**

A detailed study of ship's characteristics and types, including basic ship design, stability and buoyancy, damage control, and the operation and integration of major shipboard components, engineering systems, and engineering fundamentals. Includes a study of the basic concepts of the theory and design of steam, gas turbine, diesel, and nuclear propulsion systems. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 2110 Evolution of Warfare 3 CREDITS**

The purpose of this course is to provide a very basic understanding of the art of warfare and its evolving nature from the beginning of recorded history to the present day. The intent is to define war, introduce the student to the concepts of conducting war, and show how technology and the human element of conflict have combined to evolve the way war is conducted from ancient times to now. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 3010 Naval Operations and Navigation I 3 CREDITS**

In this course you will be introduced to topics of basic marine navigation. you will develop an understanding of the Rules of the Road, piloting, maneuvering board fundamentals, practical chart work, and tides and currents. This class, for the most part, is a hands-on, practical class. It will be one of the more difficult yet rewarding classes you take during your undergraduate studies. Be prepared to invest a substantial amount of time in this class. The aforementioned objectives will be achieved with the overall goal of preparing you for service as a Naval Officer (Surface Warfare Officers, Submariners, Aviators alike). Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 3020 Naval Operations and Navigation II 3 CREDITS**

A continued study of relative motion, formation tactics, and ship employment. Introductions to Naval operations and operations analysis, ship behavior and characteristics in maneuvering, applied aspects of ship handling, afloat communications, Naval command and control, Naval warfare areas, and joint warfare are also included. The course is supplemented with a review/analysis of case studies involving moral/ethical/leadership issues pertaining to the concepts listed above.

**NAVY 3110 Amphibious Warfare 3 CREDITS**

A historical study of the developments of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially World War II. Present day potential and limitations on amphibious operations, including the concept of rapid deployment forces. Additionally, the course explores vertical assault, readiness operations, and landing operations from the sea. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 3210 Marine Corps Bulldog Preparation 2 CREDITS**

Course prepares Marine Option Midshipmen (MO), Marine Enlisted Commissioning Program (MECEP) candidates, Platoon Leader's Class (PLC), and Officer Candidate Class (OCC) students to attend Marine Corps Officer Candidate School. The course exposes candidates to the theory and principles of military tactics, Marine Corps leadership and decision making, and the vigorous physical fitness requirements necessary to successfully complete Marine Corps Officer Candidate School. NOTE: This is an extremely strenuous physical fitness course, including an extensive outdoor component, which requires students to achieve superior levels of fitness at a military mandated standard. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 4000 Naval Ship Systems I - Weapons 3 CREDITS**

Theory and employment of weapon systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and target destruction. Fire control systems and major weapon systems are discussed, including basic capabilities and limitations. The physical aspects of radar and underwater sound are explored, as well as the facets of command, control and communications as they relate to weapons systems integration. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.

**NAVY 4020 Leadership and Ethics 3 CREDITS**

This course is designed as the capstone course of the NROTC academic sequence. The course is an overview of the duties, responsibilities and expectations of a junior officer. Through the use of in-class discussion, panels, role playing and out-of-class projects, the course addresses personal ethics, code of conduct, military law, and administrative skills required of the junior Navy or Marine Corps Officer. Course meets at University of Utah and is for ROTC students only. See Veteran's Center with questions.