

# Military Science (MILS)

---

## **MILS 1200. Introduction to Leadership Excellence. 1 Hour.**

For Army ROTC cadets and other interested students. MILS 1200 focuses on an introduction to the Army and basic Soldier skills. It introduces students to the Army and the Profession of Arms. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining a complete understanding of the Reserve Officers Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Students also learn to perform basic Soldier skills to survive in a field environment to support their development as an Army leader. Included is a weekly lab facilitated by MS III Cadets, supervised by MS IVs and cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful completion of this course students will: 1. Understand the roles and capabilities of a brigade combat team in combat. 2. Identify the attributes and competencies of the Army leader. 3. Describe the Warfighting Functions and the Operational Environment. 4. Communicate effectively in written and oral formats using the Army style and briefings. 5. Understand and apply the Army Values. Corequisite: MILS 1512L and MILS 1212R. FA.

## **MILS 1210. Foundations of Leadership. 1 Hour.**

For Army ROTC cadets and other interested students. MILS 1210 introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, performance and resilience enhancement skills, and communication will benefit them throughout their lives and careers. Cadets learn the basics of the communication process and the importance for leaders to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad-level tactics that will be reinforced during a weekly lab facilitated by MS III Cadets, supervised by MS IVs and Cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Understand basic Soldier skills, such as land navigation, map reading, and first aid. 2. Describe the principles of mission command and the elements of command and control. 3. Describe the roles and responsibilities of Army Branches. Prerequisites: MILS 1200 (Grade C or Higher) or Departmental Approval. Corequisite: MILS 1212R, MILS 1512L. SP.

## **MILS 1212R. Military Fitness. 0.5 Hours.**

Activity course for Army ROTC cadets and other interested students. Uses the Army Physical Fitness Test to evaluate performance and improvement in flexibility, strength, and endurance. The course also includes foot care and road marching techniques. Cadre will issue a uniform provided the individual meets military grooming standards. Contracted ROTC cadets must be concurrently enrolled in MILS 1210. Non-contracted students/cadets are not required to take this course but are strongly encouraged to do so if they want to compete for campus-based scholarships. MILS 1212R is required of all cadets every fall and spring semester. Repeatable for credit 8 times (4 total credits). **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Explain the principles of Army physical fitness, including strength, endurance, flexibility, and body composition, and apply them to their fitness routines. 2. Assess their current fitness levels, identify areas for improvement, and set realistic and achievable fitness goals. 3. Demonstrate proper form and technique for a variety of exercises and incorporate these exercises into their training routines. FA, SP.

## **MILS 1512L. Military Science Cadet Lab. 1 Hour.**

For Army ROTC cadets and other interested students. This single, unified laboratory is a corequisite for all required MILS courses except MILS 1212R and MILS 4312R. The course covers the dynamics of group and individual leadership in a field environment, including opportunities to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or other careers. This combined laboratory experience allows cadets at various experience levels to collaborate, which better mimics the realities of the professional military service experience. Repeatable for credit 8 times (8 total credits). COURSE LEARNING OUTCOMES (CLOs) are: At the successful conclusion of this course students will: 1. Practice attributes of military operations in realistic scenarios. 2. Demonstrate understanding of military operations, practices, and responsibilities. 3. Apply the Army values, ethics, and code of conduct to various scenarios and demonstrate ethical reasoning and decision-making. Corequisite: MILS 1200, MILS 1210, MILS 2200, MILS 2210, MILS 3200, MILS 3210, MILS 4200, or MILS 4210; in the rare case in which a student is enrolled in two MILS courses that require the lab in the same semester, the student only needs to enroll once that semester. FA.

## **MILS 2200. Leadership and Ethics. 2 Hours.**

For Army ROTC cadets and other interested students. MILS 2200 focuses on leadership and ethics. The course adds depth to the Cadets knowledge of the different leadership styles. Cadets will conduct a leadership analysis of famous leaders and self-assessment of their own leadership style. The Army Profession is presented through the understanding of values, ethics and how to apply both to different situations they may encounter as a leader. Army Values and Ethics and their relationship to the Law of Armed Conflict (LOAC) and philosophy of military service are also discussed. Cadets are then required to apply their knowledge outside the classroom during hands-on performance-oriented environments at the weekly lab facilitated by MS III Cadets, supervised by MS IVs and cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Identify and describe the different leadership styles, and the Army leader attribute and competency categories. 2. Communicate effectively in written and oral formats using the Army style and briefings. 3. Understand and apply the Army Values. 4. Describe and demonstrate intermediate Soldier skills and basic squad tactics. Prerequisites: MILS 1210 (Grade C- or higher) or Departmental Approval. Corequisite: MILS 2201. FA.

**MILS 2210. Army Doctrine and Decision-Making. 2 Hours.**

For Army ROTC cadets and other interested students. MILS 2210 focuses on Army Doctrine and Decision Making. The course begins with analytical techniques, creative thinking skills, and the Army problem-solving process as related to situations faced by leaders when making decisions. TLPs and OPORD will lead Cadets to an understanding of Army Doctrine and Symbology. Squad tactics will be covered in classes on Unified Land Operations, Offensive Operations, and Defensive Operations. Cadets are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during a weekly lab facilitated by MSL III Cadets and supervised by cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Identify and define the key concepts and terms of Army doctrine and decision making, such as TLP (Troop Leading Procedures), OPORD (Operations Orders), C2 (Command & Control), and Warfighting Functions. 2. Explain and illustrate the principles of mission command, the operations process, and the operational environment across all domains, using relevant examples and scenarios. 3. Apply and practice analytical techniques, creative thinking skills, and the Army problem-solving process. 4. Explain and illustrate offensive and defensive operations at the squad and platoon level, using terrain analysis, range cards, sector sketches, and terrain board/sand table rehearsals. Prerequisites: MILS 2200 or Departmental Approval. Corequisite: MILS 1512L, MILS 1212R. SP.

**MILS 3200. Training Management and Warfighting Functions. 3 Hours.**

For Army ROTC cadets. MILS 3200 focuses on training management and the warfighting functions. It is an academically challenging course where you will analyze, test, and relate the fundamentals of Training Management and how the Army operates through the Warfighting functions. After completing this course, you will be capable of planning, preparing, and executing training for a squad conducting small unit tactics. Includes a lab per week using peer (MS III) facilitation overseen by MS IVs, supervised by ROTC Cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Understand and explain the roles and responsibilities of officers and NCOs in the Army. 2. Understand and apply the principles and practices of Army leadership, the profession, Army values and ethics, and personal development, and explain how they apply to different situations and scenarios. Prerequisites: MILS 1200; AND MILS 1210; AND MILS 2200; AND MILS 2210 (All grade C or higher). Corequisite: MILS 1512L, MILS 1212R. FA.

**MILS 3210. Applied Leadership in Small Unit Operations. 3 Hours.**

For Army ROTC cadets. MILS 3210 focuses on applied leadership in small unit operations. It is an academically challenging course where you will study, practice, and apply the fundamentals of direct-level leadership and small-unit tactics at the platoon level. After completing this course, you will be capable of planning, coordinating, navigating, motivating, and leading a platoon in the execution of a mission. It includes a Lab per week, using peer (MS III) facilitation overseen by MS IVs, and supervised by ROTC Cadre. Successful completion of this course will help prepare you for Cadet Summer Training/ Advanced Camp, which you will attend in the summer, at Fort Knox, KY. **\*\*Course Learning Outcomes (CLOs)\*\*** At the successful conclusion of this course students will: 1. Identify and describe the fundamentals of direct-level leadership and small unit tactics at the platoon level. 2. Understand and apply the principles and practices of Army leadership, the profession, Army values and ethics, and personal development, and explain how they apply to different situations and scenarios. 3. Communicate effectively in written and oral formats using the 5-paragraph OPORD, Army writing style, and briefings. Prerequisites: MILS 3200 (Grade C or higher) or Departmental Approval. Corequisites: MILS 1512L, MILS 1212R. SP.

**MILS 4200. The Army Officer. 3 Hours.**

For Army ROTC cadets. MILS 4200 focuses on the development of the Army Officer. It is an academically challenging course where you will develop knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. After completing this course, you will be familiar with how to plan, prepare, execute, and continuously assess the conduct of training at the company or field grade officer level. Includes a lab per week overseeing MS III lesson facilitation and supervised by ROTC Cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Demonstrate leadership skills by creating and sustaining an organizational climate of trust where all individuals are treated with dignity and respect. 2. Apply the Army leader attribute and competency categories in various scenarios. 3. Prioritize, plan, prepare, evaluate, and assess training using the Army 8-Step Training Model. 4. Understand and apply the Army Ethic, the Law of Land Warfare, and Rules of Engagement (ROE) in various contexts. Prerequisites: MILS 3210 (Grade C or higher) or Departmental Approval. Corequisite: MILS 1512L, MILS 1212R. FA.

**MILS 4210. Company Grade Leadership. 3 Hours.**

For Army ROTC cadets. MILS 4211 is an academically challenging course where you will develop the knowledge, skills, and abilities required of junior officers pertaining to the Army in Multidomain Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises, a mid-term exam, and an Oral Practicum as the final exam. Successful completion of this course will assist in preparing you for your BOLC B course and is a mandatory requirement for commissioning. Includes a lab per week overseeing MS III lesson facilitation and supervised by ROTC Cadre. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Explain the principles of Multi-domain Operations and apply them to hypothetical scenarios. 2. Analyze different offensive and defensive strategies, evaluate their effectiveness, and suggest improvements. 3. Identify key Army combat system and enablers and their capabilities and explain how they can be used in various operational contexts. 4. Develop strategies for assuming their role as a commissioned officer in different situations. 5. Evaluate different aspects of unit readiness, identify areas for improvement, and suggest strategies to enhance readiness. Prerequisites: MILS 4200 (Grade C or higher) or Departmental Approval. Corequisite: MILS 1512L, MILS 1212R. SP.

**MILS 4312R. ROTC Independent Study. 2 Hours.**

The course covers the dynamics of group and individual leadership in a field environment, including opportunities to apply leadership principles and techniques in challenging situations to further prepare them for leadership positions in the military or other careers. This combined laboratory experience allows cadets at various experience levels to collaborate, which better mimics the realities of the professional military service experience. Repeatable for credit 8 times (8 total credits). COURSE LEARNING OUTCOMES (CLOs) are: At the successful conclusion of this course students will: 1. Practice attributes of military operations in realistic scenarios. 2. Demonstrate understanding of military operations, practices, and responsibilities. 3. Apply the Army values, ethics, and code of conduct to various scenarios and demonstrate ethical reasoning and decision-making. Prerequisites: Departmental Approval. Corequisites: MILS 1200, MILS 1210, MILS 2200, MILS 2210, MILS 3200, MILS 3210, MILS 4200 or MILS 4210; in the rare case in which a student is enrolled in two MILS courses that require the lab in the same semester, the student only needs to enroll once that semester. FA, SP, SU.