## SECTION I

## Announcement



In accordance with the terms of its charter as a land grant institution under the Morrill Act of 1862, Cornell offers instruction in Military Science and Tactics. This work is centered in Barton Hall, named in memory of Colonel Frank A. Barton, a graduate in the class of 1891 and commanding officer of the Reserve Officers Training Corps at Cornell for many years. The building covers an area of more than two acres and includes a drill hall larger than a regulation football field.

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## **FACULTY**

Edmund Ezra Day, Ph.D., LL.D.

Ralph Hospital, Colonel, Field Artillery, U. S. Army

President of the University

Professor of Military Science and Tactics, and The Commandant.

#### ASSISTANT PROFESSORS OF MILITARY SCIENCE AND TACTICS

Alexander N. Slocum, Jr., Lt. Colonel, Field Artillery, U. S. Army Plans and Training Officer.

Myron D. Smith Major, Field Artillery, U. S. Army

Raymond L. Hoff Major, Quartermaster Corps, U. S. Army Special Service Officer.

Peter H. Comnas Major, Field Artillery, U. S. Army

Henri F. Frank Major, Field Artillery, U. S. Army

LeRoy F. Trott Major, Signal Corps, U. S. Army

Leonard E. Reisman Major, Ordnance Dept., U. S. Army

Mortimer J. Hutchison Captain, Field Artillery, U. S. Army

Merrill C. Louden Captain, Ordnance Dept., U. S. Army

Wilbur L. Kahn Captain, Field Artillery, U. S. Army Commanding F.A. Unit; Executive and

Supply Officer; Supervisor of Second-Year Advanced Course FA Instruction; R.O. T.C. Band and Clef Club Officer.

Commanding QMC. Unit, Adjutant, and

Commander Enlisted Detachment; Supervisor of First-Year Advanced Course FA Instruction and the Equitation Course.

Rifle and Pistol Teams Coach; Supervisor of Second-Year Elementary Course; Public Relations Officer.

Commanding Signal Corps Unit and Communications Officer.

Commanding Ordnance Unit, Ordnance Officer, and Motor Officer.

Supervisor of First-Year Elementary Course; Academic Aide; Librarian.

Assistant Ordnance Officer; Safety Officer.

Supervisor Leadership, Drill and Exercise of Command; Officers' Club and Pershing Rifles Officer.

#### SPECIAL LECTURERS

Dean W. A. Hagan, D.V.M., M.S., D.Sc. Professor A. E. Sutherland, A.B., L.L.B. Professor K. M. Dallenbach, Ph.D. Professor M. S. Neufeld, B.A., M.A., Ph.D. Professor F. A. Southard, jr., Ph.D. Professor A. W. Smith, Ph.D. Dr. E. C. Showacre, M.D. Dr. M. B. Tinker, jr., A.B., M.D.

#### ASSISTANT PROFESSOR

Alvin T. Etler, Mus. D.

Director of ROTC Band.

#### ASSISTANTS

Master Sergeant Raymond R. Barber Master Sergeant Clifford J. Gissell Master Sergeant Theodore E. Tyskowski Master Sergeant Troy L. Brannon 1st Sergeant Stephen Ryan 1st Sergeant James F. Cope Technical Sergeant John R. Oliver Technical Sergeant Frank H. Page Technical Sergeant William C. Swift Staff Sergeant John W. Kocalka

Technician 3rd Grade Gerald S. Wentworth
Sergeant Charles R. Baker
Sergeant Daniel B. Bowman
Sergeant Raymond E. Evans
Sergeant Kenneth Hotelling
Sergeant John H. Mains
Technician 4th Grade Robert T. Payne
Private First Class Rudolph J. Giannone

#### CLERICAL STAFF

Miss Catherine M. Nolan, Secretary Miss Mary L. Loughnan, Records Clerk Mrs. Jean D. Tefft, Asst. Records Clerk

## GENERAL INFORMATION

#### THE MISSION OF THE DEPARTMENT

The mission of the Reserve Officers' Training Corps at Cornell University is to produce junior officers who have the qualities and attributes essential to their progressive and continued development as officers in the Army of the United States.

The Military Department at Cornell places special emphasis upon "Leadership", to assist Cornell men in meeting any situation in life with success and honor.

#### UNIVERSITY REQUIREMENTS

Military instruction is required during the first two years at Cornell University for all able bodied male students, except veterans, who will be in residence for 8 terms.

## REQUIREMENTS FOR ENROLLMENT IN THE R.O.T.C.

- 1. Citizen of the United States.
- 2. Physically qualified under standards prescribed by the War Department.
- 3. Accepted by the University as a regularly enrolled student of the institution.
- 4. For details of enrollment in Elementary and Advanced Courses, see the appropriate sections in this publication.

#### RESERVE COMMISSION

Completion of the four (4) year course of instruction qualifies the student for appointment as a 2nd Lieutenant in the Army of the United States. If the entire course is not completed, and at a later date the student should become a member of the Military Service, that training completed would prove of material benefit.

#### UNIFORMS AND ALLOWANCES

ELEMENTARY COURSE...All students are required to deposit \$20.00 with the Treasurer of the University, prior to enrollment in the Elementary Course. They are then furnished a uniform through the ROTC Supply Office. Any necessary repairs or replacement of articles of the uniform must be made by the student. An allowance is made by the Government to Elementary students which serves to reimburse

them for the major portion of the above deposit. A student failing to provide himself with a uniform as prescribed above loses one-ninth of this Government allowance for each month of such failure.

Any student who has reason to believe that he may be prevented by physical disability from taking military training should make special arrangements for a prompt physical examination by the Medical Adviser so that, if disqualified, he will not draw and be charged with a uniform.

The deposit and uniform allowance actually earned by a student will be credited to his account in the Supply Office and upon his completion of the course, or his withdrawal therefrom, the account will be balanced and final settlement made by the University Treasurer's Office.

ADVANCED COURSE...An officer type uniform is furnished by the Government to each member of the Advanced Course. A deposit of \$20.00 with the Treasurer of the University is required by each Advanced Course student prior to enrollment.

Each Advanced Course student receives a monthly monetary allowance at a daily rate equal to the value of the commuted ration (current-

ly 66 cents a day), not to exceed 32 weeks a year.

Upon obtaining the necessary enabling legislation, Advanced Course students beginning in the fall of 1947 will be paid an allowance in addition to the above of \$1.25 a day. In this event, students will be required to purchase their own uniforms.

Students attending the ROTC summer camp, will in addition to the above, receive pay at the rate of \$75.00 a month, railroad fare,

rations, and uniform.

#### ACADEMIC CREDIT

Academic credit is given for successful completion of courses in the Military Department, as stated in the appropriate official publications.

#### DISTINGUISHED CADETS

At the conclusion of each term, cadets of both Elementary and Advanced Courses will be selected as "Distinguished Cadets" and awarded The Distinguished Cadet Medal. Cadets so designated must meet the following qualifications:

- 1. Academic military standing in the upper 3% of the class.
- 2. A leadership grade of at least 90%.
- 3. No unexcused cuts.
- 4. Not to exceed 10 demerits initially given.

## ANNUAL AWARDS

Presented By	Award	For:	Awarded to:	
American Legion Ithaca Post 221	2 Gold Medals	Rifle and Pistol Marksman- ship	Members having highest average scores in pistol and rifle competition.	
Military Department	10 Medals	Proficiency in Marksman- ship	The five members each of the ROTC Pistol and Rifle Teams making the highest average scores in competition.	
Sons of The American Revolution	4 Medals	General Excellence	Students selected for leadership, soldierly bearing, and excellence in the theoretical and practical work of the Advanced Courses in FA., Ord., Sig.C. and QMC., Units.	
Mr. Charles Burns	Burns Memorial	General Excellence	Outstanding member of Pershing Rifles.	
Army Ordnance Association	2 Ordnance Scholar- ship Keys	Military Academic Excellence	To the two members of Ordnance Advanced Course having outstand- ing military academic aver- ages in major advanced subjects.	
Military Department	Gold, Silver and Bronze Medals	Excellence in Drill	First three best drilled members of Pershing Rifles.	
U. S. Field Artillery Association	Medal	Exemplify- ing the high standards of the Field Artillery	First Year Advanced Course F.A. student who best exemplifies the high standards of the Field Ar- tillery.	
"Scabbard and Blade"	Sabers	General Excellence	Outstanding First Year Advanced student in FA Ord., Sig.C. and QMC., Units.	

#### HONOR GRADUATES

Those graduates who have completed the entire ROTC course, and who have been selected by the President of Cornell University for scholastic excellence, may be designated "Honor Graduates" by the Professor of Military Science and Tactics as possessing outstanding qualities of leadership, character, and aptitude for military service. Such "Honor Graduates" are considered in selection of applicants for appointment in the Regular Army, provided they are eligible for appointment under other pertinent laws and regulations.

#### G. I. BILL OF RIGHTS

Any emoluments mentioned above are in addition to benefits received through the "G. I. Bill of Rights."

## THE ELEMENTARY COURSE

The Elementary Course consists of formal instruction of 3 hours (2 lecture and 1 laboratory) a week for two academic years. This instruction is of a general type, is applicable to the Army as a whole, and is known as "Branch Immaterial." Classes are held at Barton Hall from 1:40 P.M., until 4:30 P.M., daily, Monday through Friday. Elementary Course students are required to receive training one afternoon each week. The uniform will be worn for this instruction.

## QUALIFICATIONS

All students enrolled in the Elementary Course must:

- (a) Be not less than 14 years of age and must not have reached 23 years of age at the time of enrollment in the Elementary Course, except that the upper age limit will not apply to veterans of World War II enrolling in colleges prior to January 1, 1950.
- (b) Successfully complete such general survey or screening tests as may be prescribed.

#### FIRST YEAR ELEMENTARY PROGRAM

a) WORLD MILITARY SITUATION. Eight hours. Scope: The course will be presented with the view of informing the student of relevant changes in policies of nations caused by current conditions and happenings. It will instill the necessity of security in our national consciousness by pointing out the relationship and interdependency of the economic and diplomatic fields with the military in dealing among

the family of nations. Methods of news analysis will be perfected by instructors to enable the students to interpret intelligently world events in proper perspective to our national, social, economic, and military structure. Current military trends will be analyzed and reflected in the light of similar situations in the past. The student will be directed to realize how events in other parts of the world may affect the United States and that all persons may be affected by events and the far-reaching policies of other nations. The course will provoke thought and a realization that every citizen is an integral part of our national structure.

#### b) INDIVIDUAL WEAPONS AND MARKSMANSHIP. Twenty hours.

WEAPONS. Twelve hours. Scope: The characteristics, uses, care and cleaning, and operation of all individual weapons of the soldier will be studied. This study includes the M1 rifle, the carbine, the automatic pistol cal. .45, and the cal. .22 target rifle.

MARKSMANSHIP. Eight hours. Scope: The principles of marksmanship will be taught with the M1 rifle, the carbine, the automatic pistol, and the cal. .22 rifle. Actual firing will be accomplished with the cal. .22 rifle and competitions will be encouraged at an appropriate phase of instruction.

- c) MILITARY ORGANIZATION. Eight hours. Scope: Detailed instruction in Military organization to include the battalion to show the functional relation of the parts of the organization to operations, closing the course with a brief outline of U. S. Army organization to show its framework, but not its details of functioning. The detailed instruction will be approached from the company, battery, or troop viewpoint with an outline of tasks which the unit is designed to accomplish and a demonstration of the parts integral in the unit and places therein for the specific purpose of accomplishing the many details which are part of the solution of the assigned tasks. Types of operational organizations to meet requirements of a particular task will be outlined, but detailed explanation of all types of organization will be differentiated. The administrative and operational parts of organization will be differentiated. The dependency of successful operation on the maintenance of organization and its parts under all conditions and the need for continuous replenishment of destroyed or ineffectual parts of organization will be stressed.
- d) LEADERSHIP, DRILL, AND EXERCISE OF COMMAND. Thirty-seven hours. Scope: Principles of discipline; purpose of discipline; military courtesy; customs of the Army; wearing of the uniform; conduct of non-commissioned officers; purpose of drill; drill of soldier with and without arms; squad and platoon drill; parades; reviews; inspections; other ceremonies.
- e) NATIONAL DEFENSE ACT AND THE ROTG. Four hours. Scope: The National Defense Act, its purpose, past operation, and future application; ROTC Regulations; History and organization of the ROTG, its relation to national defense, and benefits the student derives from the ROTG.

## f) HYGIENE AND FIRST AID. Nine hours.

Scope:

(a) Personal Hygiene...Individual measures for protection and improvement of health. Health rules. Personal cleanliness. Physical inspection.

Routine procedures for the maintenance of foot hygiene in camps, on the march, and in bivouac. Special precautions for the prevention of fungus infections, trench foot, immersion foot, and frostbite.

(b) Sex Hygiene...Thorough knowledge of the importance of sex hygiene and the methods of preventing venereal disease.

Cause, description, character, and modes of spread of venereal diseases, with special emphasis on the seriousness of gonorrhea, syphilis, chanchroid, lymphogranuloma venereum, and granuloma inguinale. (This instruction should be followed by a conference on venereal disease prophylaxis).

(c) First Aid...Dressing and protection of wounds. Use of sulfa drugs (tablets). Control of hemorrhage. Control of pain. Prevention of shock.

Use of first-aid packet and kits. Applicatory exercise in bandaging.

First aid for burns and for wounds of head, face, mouth, jaw, chest, and abdomen. Poisoned wounds.

Signs and symptoms of fractures, dislocations, and sprains. First aid and use in improvised splints and slings.

First aid for drowning and electrical shock and carbon monoxide poisoning. Artificial respiration. Application of prone pressure method.

First aid for heat stroke, heat exhaustion, heat cramps, frostbite and freezing, trench foot, and immersion foot.

Protective and first-aid measures for chemical casualties due to vesicants, lacrimators, irritating smokes, and lung irritants.

Transportation of sick and wounded without litters and with improvised litters. Practical application of various carries and use of improvised litters.

First aid for common emergencies; snake and insect bites, fainting, and unconsciousness, removal of foreign bodies.

g) MAPS AND AERIAL PHOTOGRAPHS. Ten hours. Scope: Conventional signs and military symbols, marginal information, location by U. S. Domestic Grid System direction, elevation, use of compass.

#### SECOND YEAR ELEMENTARY PROGRAM

a) WORLD MILITARY SITUATION. Eight hours.

Scope: This is a continuation of the same subject from the first year, conducted in the same manner. As the name indicates, this is not a progressive study into deeper phases of the subject, but is designed to keep the student posted militarily on world affairs. It will be approached from an analytical as well as factual angle, with a high degree of group participation and discussion.

- b) LEADERSHIP, DRILL, AND EXERCISE OF COMMAND. Thirty-seven hours. Scope: Principles of discipline; military courtesy; customs of the Army; conduct of officers; drill of the soldier with and without arms; squad and platoon drill; voice commands; parades; reviews; inspections; other ceremonies.
- c) PHYSICAL DEVELOPMENT METHODS. Five hours. Scope: This course is designed to teach the student the objective of Army Physical Training and Athletics and sound techniques of teaching other physical activities.

The student will learn the over-all Physical Training and Athletic Program; this will include participation both as a member and as leader of the duty and off duty phases. Methods and procedures of testing groups by use of physical efficiency tests will become a matter of knowledge with the student.

d) EVOLUTION OF WARFARE. Twenty hours. Scope: Evolution of weapons and of the several arms. Evolution of tactics. Tactical principles and famous battles of the 18th, 19th, and 20th centuries which illustrate these principles. Evolution of Fortification. Relationship of modern science and industry to development and

improvement of intricate weapons such as the rifle, machine gun, cannon, tank, airplane, and bomb including the atomic bomb. Discussion of Principles of War as they were applied in World War I and in World War II.

- e) MILITARY ADMINISTRATION. Seven hours. Scope: Conduct of Military correspondence; administration of the basic records of Company and similar units; administration of individual records of military personnel; unit funds; accounting for lost, damaged, and destroyed property.
- f) MILITARY LAW AND BOARDS. Eleven hours. Scope: History of military law, origin of Articles of War; the coverage of the Articles of War; the operation of military law, system of military justice; applicatory exercise in type problems, disposition and solution under the Articles of War.
- g) MAP AND AERIAL PHOTOGRAPHS. Eight hours. Scope: Review of map reading, types of aerial photos, marginal data, means of identification, orientation with maps, photomaps.

## THE ADVANCED COURSE

#### **GENERAL**

The Advanced Course consists of formal instruction of 5 hours (4 lecture and 1 laboratory) a week for the last two years in the Department of Military Science and Tactics, corresponding to the junior and senior years and is an elective course. Students who successfully complete the Elementary Course may apply for enrollment in the Advanced Course. When a student applies for the Advanced Course, credit may be given toward completion of the Elementary Course for training received at an educational institution having a Junior R.O.T.C. Unit, or for former military service.

The number enrolled in the Advanced Course varies from year to year, depending on the number authorized the institution by the War Department.

In general, students selected for this course are those who have shown in the Elementary Course outstanding potential qualities for "leadership and command", and whose intelligence insures their developing into efficient officer material.

The training of the Advanced Course student is divided into two distinct divisions: one, theoretical, involving study and recitations in the classrooms; the other, practical military work, involving exercises which will develop leadership and will promote a sound foundation for command duty after the receipt of a commission. As an illustration of theoretical classroom work, Military Problems of the United States, Psychological Warfare, and Military Teaching Methods may be cited.

The supervision and training of Elementary Course students by the Advanced Course student, under the direction of Regular Army officer instructors, is an illustration of the means of developing leadership.

A student once admitted to the Advanced Course contracts to complete the course of training or continue therein as long as he remains a student at Cornell University. Should he fail to continue the prescribed course while a student at Cornell, he may be required to refund to the Government any sums previously paid.

#### QUALIFICATIONS

- 1. All students enrolled in the Advanced Course must-
- (a) Not have reached 27 years of age at the time of initial enrollment in the Advanced Course.
- (b) Successfully complete such survey and general screening tests as may be prescribed.
- (c) Execute a written agreement with the government to complete the 2-year Advanced Course training and to attend one summer camp, preferably at the end of the first year.

(d) Completed appropriate elementary training (2 years ROTC or

equivalent)

(e) Pass successfully a prescribed physical examination.

#### PRIOR SERVICE IN ARMED FORCES

- 1. Students who have had previous military training or service will receive such credit toward advanced standing in the ROTC as the Professor of Military Science and Tactics and the President of Cornell University may jointly determine within the limits of the following:
- a. For previous honorable active service in World War II in the Army, Navy, Marine Corps, or Coast Guard of—
- (1) Twelve months or more, credit not to exceed the entire elementary course.
- (2) Six months or more, credit not to exceed the first year of the elementary course.
  - (3) Less than 6 months, no credit.

## PROGRAM OF INSTRUCTION

A. The program of instruction for the Advanced Course for all units at Cornell, consists of subjects which are common to all arms and services and those which relate to a particular one. The following subjects are given in the Advanced Course to all students:

#### FIRST YEAR

- 1) MILITARY LEADERSHIP, PSYCHOLOGY, AND PERSONNEL MANAGE-MENT. Eighteen hours. Scope: Principles of psychology; psychology in battle; morale; analysis of factors of leadership; the officer and morale; personal attributes of the leader; professional qualifications of the leader; personnel adjustment; welfare of troops; pride; unit spirit; officer as personnel technician; rewards; punishment; promotions; cooperation; discipline; housekeeping; off-duty activity of troops; information and group discussion; handling special morale problems; combat leadership; mobs and panics; Information and Education system; function of Information and Education programs; educational means and opportunities for soldiers in the Army.
- 2) LEADERSHIP, DRILL, AND EXERCISE OF COMMAND. Sixteen hours. Scope: Conduct of officers in application of leadership in actual command during drills, parades, reviews, inspections, and other ceremonies.
- 3) MILITARY PROBLEMS OF THE UNITED STATES. Ten hours. Scope: Course will include the geographical and economic position of the United States in relation to the other world powers; the need for outposts and defensive bases; the responsibilities of the Army, Navy, and Air Forces for the security of the United States; the size and composition of each of the major components of the armed forces necessary to discharge these responsibilities; industrial support necessary for the armed forces; military influence of the other great world powers on the United States; the role of the United States in the UN; military backing of the UN by the United States armed forces; effect of existing world treaties on the military power of the United States, and the future changes that are made in the national defense organization of the United States.
- 4) OCCUPIED TERRITORIES. Ten hours. Scope: Lawful belligerent status; rights and responsibilities of lawful belligerents, customs, precedents, force of world public opinion; population of invaded and occupied territories, their rights and responsibilities, controls necessary, operation of martial law; transition from control by tactical commanders to rear echelon control, restoration of utilities and establishment of supply for civilians; collection, screening, classification, and disposition of displaced persons; countersubversive measures, counterintelligence activities; restoration of civilian government, principles of governmental organizations, racial and political concepts, economical and historical background, geographical and territorial limitations, assistance and supervision of civilian officials, transition to full civilian control.
- 5) MILITARY LAW AND BOARDS. Ten hours. The organization of courts-martial, type, limitations, relationship to boards and commissions, legal status of courts-martial and boards; preparation of charges, forwarding charges investigations, the time element; orders and jurisdiction of commanders, duties of members of courts; rules of evidence; decisions, sentences, appelate review; disposition of records and the reports of boards and commissions; practical work in moot, special, and general courts-martial.

#### SECOND YEAR

1) COMMAND AND STAFF. Ten hours. Scope: Normal organization of command and staff, giving purposes of staff organization. Relationship between commanders and staffs and with subordinate commanders and staffs. Command channels and staff liaison. Practical problems where the student prepares tactical report forms, messages, and commander's estimates on battalion level will be conducted.

- 2) MILITARY TEACHING METHODS. Ten hours. Scope: This course will cover the basic procedures that are of value to the instructor in presenting his subject, preparation by the instructor, common teaching methods used in presentation of military subjects; techniques of applying information and skills, purposes and types of examinations, procedures in conducting discussions and critiques, techniques of supervision of instruction, and selection and construction of training aids. Methods of stimulating student participation and interest are to be emphasized. The relation between theoretical and practical instruction will be stressed.
- 3) PSYCHOLOGICAL WARFARE. Five hours. Scope: Psychological warfare in the history of war: Psychological warfare in World War I; psychological warfare in World War II; planning; operating and contributing agencies; psychological warfare operations in the theaters of war; monitoring and radio in strategy and tactical application; strategical and tactical leaflet operations; use of loud speaker units in combat; interrogation and evaluation of enemy reactions; press, displays, posters, books, magazines; effect on civilians of opposing power; effect on troops; psychological set-back.
- 4) GEOGRAPHICAL FOUNDATIONS OF NATIONAL POWER. Fifteen hours. Scope: Nations and national power; national policies; power potential; principles of geography effecting the division of people into nations; division into varying aptitude for an inclination to war; effect of communication on economy and distribution; use of land, sea, and air communication for expansion or purposes of war; influence of mountain ranges to encourage attack or defense; natural land routes and their possible military usages; effect of climate on economy; effect of climate on military operations; historical examples of national power as a result of geographical location; application of airpower and its geographical requirements for successful use; analytical application of principles in the future course of the world.
- 5) LEADERSHIP, DRILL, AND EXERCISE OF COMMAND. Sixteen hours. Scope: Conduct of officers in applications of leadership in actual command during drills, parades, reviews, inspections, and other ceremonies.
- 6) COMBINED AND JOINT OPERATIONS. Ten hours. Scope: Instruction in the composition of the complex teams of all arms and services as represented by a combined Air-Ground-Navy amphibious operation using recent historical examples. Study of Air-Ground-Navy in airborne operations and all other special operations.
- 7) MILITARY MOBILIZATION AND DEMOBILIZATION. Five hours. Scope: Mobilization planning; authority to mobilize U. S. military forces; the regular army units; induction of National Guard and Organized Reserve into the Army of the United States, assembly of forces, coordination with materiel production; mechanics of demobilization, disposition of funds, mail, personnel, property, and records.
- B. The following courses are given as applicable to each arm and service and are in addition to those listed in paragraph A above:

#### FIELD ARTILLERY

FIRST YEAR, TACTICS AND TECHNIQUE. Ninety-six hours.
(1) BARREL AND BREECH MECHANISMS; CARRIAGES; RECOIL MECHANISMS; SIGHTING AND LAYING EQUIPMENT. Eight hours. Scope: Care and

maintenance of field artillery weapons in general, stressing the 105mm howitzer in detail.

- (2) CHARACTERISTICS OF MATERIEL. Two hours. Scope: General prospectus of characteristics of all major standard field artillery weapons and fire control materiel.
- (3) COMMUNICATIONS. Eight hours. Scope: Systems of field artillery communication-wire and radio.
- (4) FIRING BATTERY. Eight hours. Scope: Duties of the executive and members of the firing battery in occupation and organization of position and firing.
- (5) MOTORS AND TRANSPORTATION. Nine hours. Scope: Vehicle characteristics and nomenclature, tools and equipment, motor publications, functions and responsibilities of battery motor officers, conduct of inspections, and inspection forms.
- (6) OBSERVED FIRES. Twenty hours. Scope: Ballistics, conduct of fire, determination of firing data, attack of targets. Axial and lateral methods, to include practical application with the M-3 trainer.
- (7) ORGANIZATION. Six hours. Scope: Organization of all field artillery-infantry division, armored division, airborne division, corps and army groups, pack, rocket, self-propelled artillery, observation battalion; to include duties, sources, and training of specialists in each organization.
- (8) RECONNAISSANCE, SELECTION, AND OCCUPATION OF POSITION—BATTERY LEVEL. Eight hours. Scope: Desirable characteristics of battery positions and elements considered in selection and organization of battery positions, to include sand-table work and field battery RSOP's. Use of field fortifications in organizing battery position for defense.
- (9) SURVEY. Twelve hours. Scope: Basic principles of survey, grid systems and plotting, aerial photographs, survey equipment and its use, survey operations and methods (battalion level), survey computations.
- (10) THE MILITARY TEAM. Ten hours. Scope: Composition of various military teams up to and including the combat command and regimental combat team, showing methods of coordination between the various components.
- (11) TROOP MOVEMENTS. Five hours. Scope: Administrative and tactical troop movements to include the company, battery, or troop. Camps and bivouacs will be included.

## SECOND YEAR, (TACTICS AND TECHNIQUE). Eighty-nine hours.

- (1) FIRE DIRECTION. Ten hours. Scope: Duties of members of battalion fire direction center, and organization of battalion fire direction center. Organization of division artillery, group, and corps artillery fire direction center.
- (2) INFANTRY REGIMENT. Six hours. Scope: Organization and tactics of the infantry regiment, to include the duties and positions of field artillery personnel from the direct support battalion.
- (3) NEW DEVELOPMENTS. Two hours. Scope: New developments in field artillery tactics, technique, organization, and equipment which have been evolved and announced since the preceding year.
- (4) OBSERVED FIRES. Ten hours. Scope: Conduct of fire, determination of firing data, attack of targets. Forward observation, air observation, and naval gun fire methods, to include practical application with the M3 trainer.
- (5) RECONNAISSANCE, SELECTION, AND OCCUPATION OF POSITION-BATTALION LEVEL. Eight hours. Scope: Desirable characteristics of battalion

positions and elements considered in selection and organization of positions, to include sandtable work and field battalion RSOP's.

- (6) SPECIAL OPERATIONS. Four hours. Scope: River crossings; airborne operations; amphibious operations; passages through; reliefs; mountain, town, desert, and Arctic warfare.
- (7) SUPPLY AND MAINTENANCE. Three hours. Scope: Classes of supply, supply channels and procedure, evacuation channels, types and degree of supply maintenance in units up to and including the battalion.
- (8) TACTICS OF FIELD ARTILLERY. Sixteen hours. Scope: Tactics of all field artillery-infantry division, armored division, airborne division, corps and army groups, pack, rocket, self-propelled artillery, observation battalion; team-work with other arms and services; combat orders.
- (9) TARGET LOCATION. Four hours. Scope: Duties of S-2, artillery intelligence agencies, and target location by all methods available.
- (10) TROOP MOVEMENTS. Six hours. Scope: Continuation from the preceding year of the study of administrative and tactical troop movements, camps, and bivouacs. Logistics of moving units up to and including the battalion or squadron will be taught.
- (11) UNOBSERVED FIRES. Twenty hours. Scope: Preparation and use of firing charts, determination and correction of map data, K transfers, metro message and application, center of impact and high burst registration.

#### ORDNANCE UNIT

The Ordnance Department of the Army is charged with the design and development, manufacture or procurement, supply and maintenance of arms and ammunition. These items include automatic and other small arms; field, sea-coast, railway, and antiaircraft artillery; propellants; high explosives; projectiles; artillery fuzes; bombs and other aircraft armament; tanks, trucks, and other vehicles; fire control instruments; etc. The work of the Ordnance Department consists of mechanical, metallurgical, chemical, and electrical engineering applied to military purposes. The Department, therefore, has a technical mission and a military mission.

The Ordnance Advanced Course supplements the technical instruction in the University with such military instruction and additional technical data as will qualify the graduate of the course for a commission as a Second Lieutenant of the Ordnance Section in the Officers Reserve Corps of the Army of the United States. Part of the course affords opportunity for independent individual study and research in the field in which the student is registered. It will be designed to permit the maximum application of engineering principles along military lines.

Admission to the Advanced Course of the Ordnance Unit is open to students who are enrolled in any academic course of instruction leading to an engineering, technical, or scientific degree or, who demonstrate marked ability, aptitude, and interest in technical fields of endeavor.

FIRST YEAR (TACTICS AND TECHNIQUE). Ninety-six hours.

(1) ORGANIZATION OF THE DEPARTMENT. Ten hours. Scope: Brief historical review of the role of the Department from its activation until the present time. Organization, brief discussion of the operation of the Department during World War II. Lessons learned, revisions made (or planned) for postwar organization. Functions of the several divisions of the Department. Commodity vs. functional activities. Relationship with Ordnance offices of the other two major commands. The Ordnance Department Board. Relationships, actual or planned, with civilian industrial and research organizations.

Ordnance field installations—arsenals, depots, proving grounds, procurement district offices, and training installations. The "commodity center" proposal. Geographical distribution of installations—major assignments of each. Typical organization of a manufacturing arsenal, a supply depot, a proving ground, and a training center. The history of a typical item of material from initiation of the need by the using Arm through design, research, development, proof test, acceptance test, procurement planning, quantity production, modification and finally, obsoletion by an improved item.

- (2) THE PLACE OF ORDNANCE IN THE MILITARY TEAM. Ten hours. Scope: The responsibility of the major commands for ordnance service in the field and the training of ordnance troops. The echelons of maintenance for ordnance materiel. Support of combat troops. Contact parties. Distribution, reclamation, and salvage operations. Channels of supply for ordnance materiel. Bomb disposal operations.
- (3) MAINTENANCE AND SUPPLY PROCEDURES. Fifteen hours. Scope: Basic principles governing ordnance service to troops in the field, from the acceptance of an item of materiel from a manufacturer (or arsenal) until its final disposition as salvage.

Discussion of storage and stock control procedures; echelons of maintenance; mission and assignment of ordnance troop units of all echelons, including review of tables of organization and equipment for these units.

Study of the maintenance load and flow of supplies, stressing methods of control and accounting thereof, as it existed in a typical theater of operations.

#### (4) AMMUNITION.

MATERIEL. Eight hours. Scope: Classes and types of ammunition, materiel, including bombs, flares, rockets, grenades, mines, and fuzes. Performance characteristics and tactical employment of major types.

Function, design, construction, nomenclature, and principles of operation of ammunition components, including brief discussion of explosives, chemistry, and the ballistics theory pertinent to the presentation.

- SUPPLY. Credit eight hours. Scope: Demonstration familiarization with methods for storing and transporting ammunition in Z/I and combat locations, including thorough coverage of quantity-distance tables, methods of packing and marking, bomb finning and fuzing. Methods for field and base inspections, renovation and destruction of unserviceable ammunition.
- (5) AUTOMOTIVE MATERIEL. Fifteen hours. Scope: Survey of the types, and relative distribution among other branches, of automotive vehicles for which the Department is responsible. Classification of military vehicles. Performance, characteristics, salient construction features, and normal utilization of different types of vehicles.

Function, design, construction, nomenclature, and principles of operation of components of automotive vehicles. Major design characteristics, considerations and

requirements of military vehicles that are different from ordinary civilian requirements.

Demonstration familiarization with operation; driver, organizational, ordnance field and ordnance base maintenance techniques as applicable to automotive materiel.

(6) ARTILLERY MATERIEL. Ten hours. Scope: Survey of types and relative distribution among combat arms of artillery materiel, including recoilless guns and vehicle-mounted weapons and rocket-launchers. Performance characteristics, salient construction features, and tactical employment of major types.

Function, design, construction, nomenclature, and principles of operation of artillery components, including brief discussion of interior and exterior ballistics

pertinent to the presentation.

Demonstration familiarization with emplacement and firing a few typical artillery weapons, including familiarization with nomenclature and function of on-carriage fire control instruments. Familiarization with crew, organizational, ordnance field, and arsenal maintenance techniques for artillery materiel.

(7) SMALL ARMS MATERIEL. Ten hours. Scope: Survey of types and relative distribution among other Branches of small arms materiel, including unmounted rocket launchers. Performance characteristics, salient construction features, and tactical employment of the various types.

Function, design, construction, nomenclature, and principles of operation of small arms weapons; demonstration familiarization firing, including familiarization with

organizational and Ordnance maintenance.

(8) FIRE CONTROL MATERIEL. Ten hours. Scope: Survey of types and relative distribution among combat arms of fire control materiel, including directors, remote control system components, height finders, telescopes, binoculars, range finders, periscopes, data computers, plotting boards, gunners quadrants, computing sights, watches, and compasses, as used in conjunction with field, antiaircraft, coast defense, and vehicle-mounted artillery materiel. Performance characteristics, salient construction features, and tactical employment of major types.

Function, design, construction, nomenclature, and principles of operation of fire control materiel, including brief discussion of underlying optics and electronic

principles pertinent to the presentation.

Demonstration familiarization with emplacement (or attachment) and use of fire control materiel in conjunction with related artillery weapons. Familiarization with organizational and ordnance maintenance techniques for fire control materiel.

#### SECOND YEAR (TACTICS AND TECHNIQUE). Eighty-nine hours.

- (1) MAINTENANCE AND SUPPLY PROCEDURES. Six hours. Scope: Calculation of basic loads and other ordnance planning involved in preparation for expeditionary operations. Review of recent changes in maintenance and supply procedures.
- (2) AMMUNITION.

MATERIEL. Five hours. Scope: Discussion of and illustrative problems in the design, development, test, procurement planning, and manufacture of ammunition. SUPPLY. Five hours. Scope: Presentation of the present status of the ammunition material program, including test vs. standard vs. obsolete items and the current trends and developments in this field.

(3) AUTOMOTIVE MATERIEL. Ten hours. Scope: Discussion of and illustrative problems in the design, development, test, and procurement planning of military automotive vehicles.

Presentation of the present status of the automotive vehicle programs, including population distribution, test vs. standard vs. obsolete vehicles, and the current trends and developments in this field.

(4) ARTILLERY MATERIEL. Eight hours. Scope: Discussion of and illustrative problems in the design, development, procurement planning, and manufacture of artillery materiel.

Presentation of the present status of the artfllery materiel program, including population distribution, test vs. standard vs. obsolete items and the current trends and developments in this field.

(5) SMALL ARMS MATERIEL. Five hours. Scope: Discussion of and illustrative problems in the design, development, test, procurement planning, and manufacture of small arms materiel.

Presentation of the present status of the small arms weapons program, including test vs. standard vs. obsolete items and the current trends and developments in this field.

(6) FIRE CONTROL MATERIEL. Ten hours. Scope: Discussion of, and illustrative problems in the design, development, test, procurement planning, and manufacture of fire control materiel.

Presentation of the present status of the fire control materiel program, including test vs. standard vs. obsolete items and the current trends and developments in this field.

(7) MATERIEL SPECIALTY INSTRUCTION. Forty hours, Scope: Supplementary instruction for ROTC students in one of the five classes of Ordnance materiel, selection of class to be based on the field of engineering being studied by the individual student.

Scope of the instruction for each class of materiel will consist of more detailed coverage of the scope prescribed previously in this program. Opportunity for independent individual study will be made available.

#### SIGNAL CORPS UNIT

The Signal Corps at Cornell University has for its aim the instruction and training of students of the Engineering Schools in the mission and functioning of the Signal Corps of the Army. The aim of the Advanced Course is to add to the technical instruction of the Engineering Schools such tactical and military instructions and problems as will enable the graduate of the course to function as a second lieutenant in the Signal Corps of the Army of the United States. The course provides demonstrations and practical problems involving the use of the military wire and radio material.

Admission to the advanced course of the Signal Corps Unit is limited to those students who are enrolled in any one of the following curricula:

- a) Electrical Engineering
- b) Electronics Engineering
- c) Mechanical Engineering
- d) Any other curriculum leading to a baccalaureate degree in which the student is majoring in physics.

FIRST YEAR, (TACTICS AND TECHNIQUE). Credit ninety-six hours.

(1) SIGNAL COMMUNICATION FOR ALL ARMS AND SERVICES. Twelve hours. Scope: Agencies and means of Signal Communication, messenger, sound, visual, pigeon, wire, and radio communication; message centers and operations;

Signal security and intelligence; importance of Signal supply and repair; SOI, SSI, and Signal Orders.

(2) ORGANIZATION AND MISSIONS OF THE SIGNAL CORPS. Six hours. Scope: Organization.—The Signal Corps as one of the technical services. Organization of the Signal Corps in the zone of interior and theaters of operations. Standard T/O units and T/O & E 11–500 type Signal Service units.

Mission. All military signal communications from the War Department down to and including the division. Signal Supply—Signal Intelligence—Photography.

- (3) ORGANIZATION OF THE INFANTRY DIVISION AND ITS SIGNAL AND COMMUNICATION COMPONENTS. Twelve hours. Scope: Review of pertinent T/O & E's and latest changes thereto; capabilities and employment of the infantry division; organization and functions of the command and the general and special staffs; organization and function of division headquarters, special troops, reconnaissance troops, infantry regiments, divisional artillery, engineer construction battalion, the combat team; relations with higher headquarters; organization, functions, and capabilities of the infantry division signal company; organization and functions of communication personnel of the infantry regiment and division artillery.
- (4) MESSAGE CENTER AND SIGNAL CENTER PROCEDURE. Eighteen hours. Scope: Responsibilities, organization, and factors governing the location and operations of message and Signal centers; duties of personnel related to the routing, recording, and filing of message traffic; processing and dispatching of traffic in accordance with assigned classification and precedence; security; forms and equipment used.
- (5) FIELD WIRE COMMUNICATION FUNDAMENTALS. Fourteen hours. Scope: The construction, maintenance, and operation of wire systems of the infantry division, including the definitions, and types of wire systems; telephone centrals; signal orders and instructions; circuit diagrams and line route maps; telephone directory; urgent and conference calls; phonetic alphabet; field wire splices and ties; pole climbing; surface, overhead, and trench line construction; teletype and telegraph systems; maintenance of field wire systems.
- (6) COMMUNICATION SECURITY. Eight hours. Scope: To provide the student with a knowledge of the basic information concerning the security of army communications and the basic procedures for preserving that security, definitions and principles of communication security and its major components—cryptographic transmission, and physical security; security in communication procedure; communication security control.
- (7) FIELD RADIO COMMUNICATION FUNDAMENTALS. Fourteen hours. Scope: The employment of radio communication in the infantry division including the establishment of radio nets, general capabilities, terminology, and responsibility; operating regulations; assignment of frequencies and call signs; panels; dropped and pick-up messages; tactical nets and station records; procedure; call up and answer; abbreviated form message and procedure; and radio telephone procedure.
- (8) THE PLACE OF THE SIGNAL CORPS IN THE MILITARY TEAM. Ten hours. Scope: World War II combat lessons on the importance of Military Teamwork—necessity for Signal Communication personnel in all operations. Signal Communication in the Infantry Combat Team—Division—Corps—Army. Task Force Signal Communication—Joint Assault Signal Company—Airborne and Paratroop Operations—Photographic Coverage—Special Missions—Combined Operation Signal Communication.
- (9) SIGNAL CORPS PHOTOGRAPHY. Two hours. Scope: Photographic services for posts, camps, and stations; functions and capabilities of photographic equipment; photographic coverage of ROTC activities.

#### QUARTERMASTER UNIT

The Quartermaster Corps of the Army is charged in general with the procurement, storage, and issue of all supplies of standard manufacture and of all supplies common to two or more arms and services: the maintenance and operation of quartermaster transportation; research and development of rations, clothing, and equipage; the operation of a general service pool, stevedore service, and docks; the operation of bakeries, sales commissaries, salvage depots, laundries, shoe and textile repair, fumigation and bath, motor repair training, post headquarters and graves registration; and the procurement, training, conditioning, classification, and distribution of animals.

The course is of particular value to students specializing in courses of business administration, hotel operation, and agricultural subjects where their future occupation will parallel the functions of the Quartermaster Corps.

#### FIRST YEAR (TACTICS AND TECHNIQUE). Credit ninety-six hours.

- (1) ADMINISTRATION OF CIVILIAN PERSONNEL. Fourteen hours. Scope: US Civil Service Commission and its relation to the War Department; recruiting, appointment, and placement; job analysis, job description, and classification; promotion and reduction; efficiency ratings and reports; pay; leaves of absence; training; employee relations; retirement and separation.
- (2) CLASSIFICATION OF SUPPLIES, USE OF STOCK CATALOGS AND BASES OF ALLOWANCES. Eight hours. Scope: Classification of supplies and equipment according to technical service, controlled and noncontrolled, expendable and nonexpendable, and post, camp, and station, organizational, and individual equipment; classes for storage and issue; use of supply catalogs, tables of organization and equipment, tables of allowances, tables of equipment, special lists of equipment, standard nomenclature lists, and tables of basic allowances.
- (3) DEPOT SUPPLY I. Nine hours. Scope: Mission and organization of the various types of depots in the zone of interior; relationship with chiefs of technical services, armies, posts, camps, and stations, and ports of embarkation.
- (4) ORGANIZATION AND FUNCTIONS OF THE QUARTERMASTER CORPS. Six hours. Scope: Responsibilities of the Quartermaster Corps; Organization and functions of the Office of The Quartermaster General and the installations under its control; Organization and functions of the Quartermaster Corps in armies, Army Ground Forces, and Army Air Forces. Brief outline of organization and functions of the Quartermaster Corps in theaters of operations.
- (5) ORGANIZATION FOR SUPPLY IN THE ARMY. Three hours. Scope: A survey of the supply organization and functions of the office of the Under Secretary of War, Supply Division, War Department General Staff, technical services, depots, armies, ports of embarkation, and the Army Air Forces.
- (6) PROPERTY ACCOUNTABILITY AND RESPONSIBILITY. Six hours. Scope: Definition of terms; delegation of responsibility; responsibility of the commanding officer, company and detachment commanders, and individual; accountability and responsibility of property and sales officers; accountability and responsibility in the theater of operations, post, camp, and station clearances.

- (7) STATION SUPPLY I. Twenty hours. Scope: Supply organization of post, camp, and station; station stock control; requisitioning and receiving supplies and equipment; stock record account; issue, due-out, turn-in, memorandum receipt, and model stock procedures; shipments from station; stock reports; disposition of excesses.
- (8) THE MILITARY TEAM. Ten hours. Scope: The organization and mission of the Quartermaster Corps, types and missions of QM units with particular emphasis on the use of the cellular-type unit in supporting the field forces.
- (9) UNIT AND ORGANIZATION SUPPLY. Twenty hours. Scope: Determination of allowances; requisitioning procedure; automatic issues; unit supply records; transposition of excesses; disposition and replacement of unserviceable property; statements of charges and reports of survey; proper fitting of clothing and shoes; marking of clothing and equipment; layout and storage of supplies and equipment in the unit supply rooms; duties of and record maintained by battalion and regimental supply officer.

#### SECOND YEAR, (TACTICS AND TECHNIQUE). Eighty-nine hours.

- (1) DEPOT SUPPLY II. Twenty-seven hours. Scope: Depot stock control; the stock record account; machine accounting; processing of requisitions; adjustments; inventories.
- (2) FISCAL PROCEDURES. Five hours. Scope: The War Department Fiscal code; relationship between paying and obligating agencies; exercise of internal controls; preparation and defense of budgetary estimates; concept of commitments, obligations, and expenditures; methods of alloting and suballoting funds; the account and subsidiary records.
- (8) PROCUREMENT PROCEDURES. Fifteen hours. Scope: Procurement laws and regulations; organization for procurement; invitations for bids; specifications abstract of bids; awards; negotiation procedure; receipt and inspection; use of master contracts; contract modification; bondings; post, camp, and station procurement problems; claims and claim adjustment.
- (4) STATION SUPPLY II. Twenty hours. Scope: Principles of property adjustment; discrepancies incident to shipment; use of the Report of Survey (WD AGO 15–1) and over, short, and damaged report; inventories and inventory adjustments; miscellaneous uses of inventory adjustment reports; periodic consolidation of memorandum receipts and consequent adjustments; transfer of property on memorandum receipt; complete transfer of accountability; miscellaneous property accounts.
- (5) STORAGE, WAREHOUSE, AND MATERIALS HANDLING. Eighteen hours. Scope: Space utilization and layout; stock locator systems; management of labor; materials handling and maintenance of materials handling equipment; equipment pools; receiving; correct storage of different types of supplies; placing and stacking supplies; storage of hazardous commodities; safety and fire precautions; inventories; shipping procedures.
- (6) QUARTERMASTER INSPECTION SERVICE. Four hours. Scope: Organization of; mission; precedures used; inspection at origin and at destination; inspection for quantity, quality, and condition; process inspection; one hundred percent inspection; lot-by-lot sampling; and problems of inspection.

## RECAPITULATION OF PROGRAM OF INSTRUCTION

#### ELEMENTARY COURSE

SUBJECTS		First Year Hours	S	Second Year Hours
World Military Situation		8		8
Military Organization		8		
Hygiene and First Aid		9.		
Leadership Drill and Exercise of C	ommand	37		37
Physical Development Methods			5	
Individual Weapons and Marksma	20			
Maps and Aerial Photographs		10		8
National Defense Act and ROTC		4		
Military Administration				7
Evolution of Warfare				20
Military Law and Boards				11
	Total Hours:	96		96

#### ADVANCED COURSE

		The State Edition
SUBJECTS	First Year Hours	Second Year Hours
	110413	110013
Military Leadership, Psychology, and Personnel		
Management	18	
Leadership, Drill, and Exercise of Command	16	16
Military Problems of the United States	10	
Occupied Territories	10	
Military Law and Boards	10	
Tactics and Technique of Selected Arm or Servi-	ce 96	89
Command and Staff		10
Military Teaching Methods		10
Psychological Warfare		5
Geographical Foundation of National Power		15
Combined and Joint Operations		10
Military Mobilization and Demobilization		5
Total Ho	urs 160	160

## **EXTRACURRICULAR ACTIVITIES**

THE "BIG RED" BAND... The Cornell ROTC Band, one of the best known University bands in the East, is comprised of members of the ROTC, veteran undergraduates, and other students interested in band music. It is supervised by a member of the staff of the Department of Military Science and Tactics, and musically trained by a highly qualified band director. The band participates in events between the halves at varsity football games, and is associated with athletic events throughout the year. It habitually accompanies the football team on its annual trip to Philadelphia.

THE CLEF CLUB... This is an honorary musical organization for the promotion of interest in the R.O.T.C. band by upperclassmen.

THE EQUITATION COURSE...The ROTC conducts riding classes throughout the regular and special summer sessions. Regular attendance at a riding class satisfies the requirements of the Department of Physical Education.

Horse shows and polo are activities of the Military Department. These are made possible during the winter due to the availability of a large riding hall.

Polo team members are awarded the minor sports "C" by the Cornell

University Athletic Association.

Adequate stabling for a limited number of horses owned by individuals connected with Cornell University are available at the ROTC stables.

OFFICERS CLUB... Members of this club are cadet officers in the ROTC.

PERSHING RIFLES... This is a national organization composed of specially selected elementary course students who possess special aptitude toward military training. Credit for this extracurricular activity is given by the Department of Physical Education.

THE RIFLE AND PISTOL CLUB...Rifle and pistol shooting activities at Cornell consist of a varsity and ROTC teams and a rifle and pistol club. Members of varsity teams are awarded the minor sports "C" by the Cornell University Athletic Association.

THE PI TAU PI SIGMA...The Cornell Chapter of this National Organization is the ETA Chapter. The mission of this society is to stimulate interest in the Signal Corps.

## SECTION II

# R.O.T.C. Regulations

## R. O. T. C. REGULATIONS

#### A. ORGANIZATION

- 1. The Cornell R.O.T.C. is organized provisionally into a regiment of cadets, consisting of two battalions, each battalion consisting of three companies, and each company consisting of two or more platoons.
- 2. Each cadet in the elementary course is enrolled at registration to attend one afternoon a week for a period of three hours and is assigned to the arm or service of his choice, if practicable. Upon reporting to his first class, he is assigned to a platoon and will remain as a member of that platoon for the duration of the school term.
- 3. Advanced Course cadets are likewise assigned to a platoon as cadet officers or acting cadet officers and contingent upon the exigencies of their schedules, will remain with the same platoon for the duration of the school term.
- 4. Promotions to cadet officer and noncommissioned officer grades are made according to the direction of the Professor of Military Science and Tactics.

#### B. LEADERSHIP AND EXERCISE OF COMMAND

- 1. The chief mission of the Department of Military Science and Tactics in regard to the elementary course cadet is to bring out inherent characteristics of leadership ability that will enable him to take his place in the postwar world as a stalwart bulwark of American democratic principles.
- 2. To implement this mission, one-third of the elementary course (the first hour of each afternoon session) is devoted to practical application of leadership and command methods on the floor of Barton Hall. This is a laboratory period.
- 3. Conduct of Leadership and Command Hour.
- a) "First call" will be sounded two minutes prior to the announced hour of the class. At first call, students will commence assembling in their respective platoon positions.
- b) "Assembly" will be sounded 2 minutes after first call. At assembly students will have fallen in at attention and roll will be taken.
- c) At conclusion of roll call, platoons will be formed for inspection, which will be conducted by a member of the instructional staff.

- instructors as cases warrant, at any time the student is in uniform.
- e) At conclusion of inspection, instruction will proceed in accordance with the schedule.
- f) Students attending this hour are responsible for the subject material of the lesson schedule and may be called upon for explanation and demonstration of any of the military positions or movements included in prior instruction.
- g) Students are graded in accordance with check list provided by senior instructor for the hour.
- h) "Recall" will be sounded fifty minutes after assembly. Students will be dismissed immediately and must be seated in their respective classrooms ten minutes after recall has sounded.

#### C. CLASSROOM PROCEDURE

- 1. Students are responsible for subject matter of the assigned lesson and will be graded for recitations and short written tests.
- 2. Smoking is not permitted in classes except in certain advanced classes with the specific permission of the instructor.
- 3. Students will stand when asking a question or when reciting in the classroom.
- 4. Students will not be brought to attention for visiting officers excepting in the case of general officers.

## D. MILITARY COURTESY & WEARING OF THE UNIFORM

- 1. The principles of military courtesy will be observed at all times. Cadets in uniform will salute officers at appropriate times while in Barton Hall.
- 2. The uniform will be worn by elementary students on the afternoon of their military instruction.
- 3. Advanced course students will wear the uniform to all leadership and command classes.

- 4. The uniform must be worn properly.
- a) Incomplete or "mixed" uniforms are not authorized.
- b) Demerits will be given for such offenses as rolled-up sleeves, no tie, and incompleteness whether or not the offense is noted inside or outside of Barton Hall.
- c) Dark brown shoes will be worn with the uniform and will be well shined at all times.
- d) Dark brown or tan socks, without patterns, will be worn with the uniform.

#### E. DEMERITS AND CUTS

- 1. One cut will be given for each hour of unexcused absence.
- 2. A maximum of three unexcused cuts will be permitted for the elementary course. Cadets who exceed three cuts will be dropped from the course automatically and will receive no university credit therefor. Unexcused cuts will not be permitted for a written examination period. An unexcused cut of an examination will count as a zero for the examination. Unexcused cuts cannot be "made up."
- 3. Unexcused lateness over five minutes is equivalent to one cut.
- 4. A student physically incapacitated for military training will either secure an excuse *in advance* from the Military Department or will subsequently present a satisfactory reason for his absence at the earliest practicable moment.
- 5. A minimum of twenty-five demerits will be permitted each term. A cadet who receives in excess of 25 demerits will be dropped from the course and will receive no University credit therefor. However, demerits in excess of 25, may be made up by the performance of such extra duties as the Professor of Military Science and Tactics may prescribe, at the rate of one hour of duty for each demerit.

#### F. GRADING SYSTEM

- 1. To attain a passing grade, a cadet must average 60% for the term.
- 2. Examinations are given throughout the term in each subject.
- 3. A final comprehensive examination is given at the completion of each term.
- 4. Determination of Final Term Grade is as follows:

	ily Class-	Leader-	Final	Total
	om Work	ship	Examination	Grade
Advanced Course	60%	20%	20%	100%
Elementary Course	60%	10%	30%	100%

- 5. Students having an average of 85% or more for their daily class-room work are exempt from the final examination.
  - a. When elementary students are exempt from the final, the daily classroom work will count as 90% of the term grade.
  - b. When advanced students are exempt from the final, the daily classroom work will count as 80% of the term grade.

#### G. BULLETIN BOARD

Cadets are responsible for notices on the bulletin board.