

# **VIRGINIA MILITARY INSTITUTE**

Summer Session Office  
303 Shell Hall  
Lexington, Virginia 24450  
(540) 464-7213

## **2015 SUMMER SESSION CATALOGUE**



**SUMMER SESSION I: May 19 – June 19**

**SUMMER SESSION II: June 22 – July 23**

# 2015 Summer Session Calendar

## First Summer Session: May 19 - June 19

Payment deadline for Summer Study Abroad programs	March 13
All fees for Summer Session I due by 1500 hours	May 15
Classes Begin	May 19
Last day for late registration	May 20
Last day to drop or add courses	May 20
Memorial Day - NO CLASSES	May 25
Last day to withdraw with a "W"	June 9
Last day to withdraw with a "W" or "WF"	June 15
Classes end	June 17
Examinations	June 18-19

## Second Summer Session: June 22 - July 23

All fees for Summer Session II due by 1500 hours	June 19
Classes begin	June 22
Last day for late registration	June 23
Last day to drop or add courses	June 23
Independence Day - NO CLASSES (July 4th falls on Saturday)	July 3
Last day to withdraw with a "W"	July 13
Last day to withdraw with a "W" or "WF"	July 17
Classes end	July 21
Examinations	July 22-23

# VMI Summer Session Mission

The VMI Summer Session facilitates cadets' progression toward degree completion by offering courses for academic credit during the summer, consistent with the Academic Program Mission. Specific goals include:

- To enhance cadet retention and optimize graduation rates.
- To provide opportunities for cadets to enrich their education.
- To enable cadets to attend the VMI Summer Session and also attend ROTC summer camps, engage in internships, and earn income.

The primary objectives of the Summer Session are to:

- Offer courses of academic rigor consistent with the standards during the regular academic year.
- Provide cadets with the opportunity to meet VMI readmission standards, curricular requirements, scholarship requirements, and athletic eligibility requirements by enabling them to earn credit for subjects in which they stand deficient.
- Facilitate transfer from one curriculum to another.
- Enable VMI cadets to receive credit for courses in advance of their class.
- Provide opportunities for cadets to enrich their education by earning multiple majors and/or minors and by participating in undergraduate research, study abroad, and internship experiences.
- Offer academic support activities.
- Operate the Summer Session in a manner that is fiscally self-sustaining.

## Non-discrimination Statement

Consistent with Federal and State law, the Virginia Military Institute does not discriminate against employees, cadets, or applicants on the basis of race, color, sex, age, veteran status, national origin, or disability in its programs and activities. Every VMI staff member, faculty member and cadet has the right to work and study in an environment free from discrimination and should be treated with dignity and respect. VMI complaint and grievance procedures provide employees and cadets with the means for resolving complaints that this Statement has been violated. VMI is an Equal Opportunity Employer. Anyone having questions concerning discrimination or the application of Title IX regulations should contact Title IX Coordinator, 212 Carroll Hall, VMI, Lexington, VA 24450, (540) 464-7072. Any cadet or prospective cadet having questions about disability services for students should contact the Director of Disability Services, Miller Academic Center, VMI, Lexington, VA 24450, (540) 464-7765. For employment-related disability services, contact the Employee Disability Services Coordinator in the VMI Human Resources Office, Lexington, VA 24450, (540) 464-7322.

# Admission Requirements

VMI cadets, graduates of accredited secondary schools, and students in good standing at other colleges may enroll in either or both terms of the Summer Session. High school students who have been promoted to the twelfth grade and have the written approval of their high school principals are eligible to attend the VMI Summer Session.

PLEASE NOTE. The following individuals are ineligible to attend the VMI Summer Session:

1. **Former cadets dismissed from the Institute for any reason.**
2. **Cadets suspended from the Institute for disciplinary reasons.**
3. **Cadets who resigned from the Institute with major disciplinary actions pending.**
4. **Students who will matriculate as new cadets in August 2015 unless approved in writing by the Superintendent. Appeals for exceptions must be made in writing to the Director of Summer Session, LTC Johnson, 306 Shell Hall, Lexington, Virginia 24450, outlining the rationale for the exception. Appeals will be submitted to the Superintendent for review and the applicant notified of the decision.**

## Registration

*There will be no centralized registration on the days preceding the beginning of each summer session. You may still register on the days preceding each session but you will have to pay a late fee and visit each office (Summer Session & Registrar--303 Shell Hall, Bursar--310 Smith Hall, and Post Police--202 BOQ) separately.*

## Current Cadets in Good Standing (excluding study abroad and research participants)

Current cadets enrolled in the spring 2015 semester and in good standing must register for the Summer Session on-line using PostView. The PostView link to registration for both terms of the Summer Session will open on March 23rd. The link for first term registration will remain open until 3:00 p.m. on Friday, 15 May. Registration after this deadline will require a visit to the Registrar's office and a late fee will be assessed. Registration for the second term will remain open until 3:00 p.m. on Friday, 19 June. Again, registration after this deadline will require a visit to the Registrar and a late fee. Any changes related to your registration information, i.e., dropping or adding a course or meal plan, after the on-line registration closes will necessitate a visit to the Summer Session Office.

The Summer Session registration link will first take you to instructions on how to complete the registration process. Please read the instructions carefully before proceeding. Briefly, you must select your courses, indicate whether you want to reside in the Barracks, select a meal plan, and provide information about any vehicle that you want to register for the summer. The charges generated will be reflected in your on-line account balance.

**These charges must be paid in full by 3:00 p.m. on Friday, 15 May if you are attending the first term and by 3:00 p.m. on Friday, 19 June if you are attending the second term. *You are not registered until all fees are paid.* After the registration deadline students with unpaid fees will be dropped from class rolls.** Enrollment and payment after the deadline will require a late registration fee. The charges can be paid on-line or via telephone with a credit card. MasterCard, Discovery, and American Express cards are accepted. If a credit card is used a 2.25% convenience fee will be added to the total. Payment can also be made online via Echeck with no additional charge or in person at the Student Accounting Office (310 Smith Hall) any time prior to the deadline. Room assignments for those living in barracks will be handled by the Commandant's Office. If you have purchased a meal plan your name will be on the meal roster. You must check in with a Summer Session official in the mess hall before each meal. Parking decals can be picked up at the VMI Police station any time after payment of fees. In addition to your receipt you must show your driver's license, vehicle registration, and proof of insurance before the decal will be issued.

## Students in Good Standing from Other Institutions:

Students in good standing from other colleges, including students recently accepted for admission to those colleges, have two options for registration. You may either register in the VMI Registrar's Office (303 Shell Hall) during business hours, or you may use the on-line registration form located on the VMI Summer Session web page. Either way you must provide the Registrar with a letter from an official at your college affirming your good standing or acceptance for admission as a new student. If you want to enroll in a course with a prerequisite you must also provide an official transcript which verifies that you have taken the required course or an equivalent.

Transfer of credits earned at VMI should be approved by your institution prior to registration. You must coordinate with the VMI Registrar's Office to have a transcript of credits earned at VMI forwarded to your college. All fees and the letter affirming your good standing must be received by the registration deadline. You are not registered until the letter and fees have been received. The charges can be paid in the VMI Student Accounting Office (310 Smith Hall) or via telephone with a credit card. MasterCard, Discovery, and American Express cards are accepted. If a credit card is used a 2.25% convenience fee will be added to the total.

## Students Participating in Study Abroad Programs:

Please refer to the Study Abroad Section of this catalog for program information.

## Students Participating in Summer Undergraduate Research:

The Summer Undergraduate Research Institute (SURI) is a component of the VMI Summer Session. **Consequently, students participating in the program must be registered for the Summer Session and enrolled in the appropriate course.** Students interested in research must **first** apply with the Office of Undergraduate Research (300 Preston Library). **Accepted** students must register for their SURI course by returning a completed and signed SURI application to the Registrar's Office (303 Shell Hall). The Registrar's Office will register you for the indicated course. Once registered for the appropriate SURI course students can register a vehicle and sign up for a room and meal plan on-line using PostView, no later than 4:00 p.m. Friday, 15 May.

Registration after the deadline will result in the assessment of a late fee. In addition to their research credits students participating in SURI may take a maximum of four additional credits per session (with the exception of lab classes), with the approval of their mentor. Students may not enroll in SURI and a lab class in the same session. **The cost of any additional credits is the responsibility of the student.** For more information, please visit [www.vmi.edu/Content.aspx](http://www.vmi.edu/Content.aspx)

## Add/Drop: Late Registration

Students may add, drop, or register late for courses in the Summer Session Office (306 Shell Hall) according to the following schedule:

### First Session:

18 May: 8:00 a.m. -- 4:00 p.m.  
19 May: 8:00 a.m. -- 4:00 p.m.  
20 May: 8:00 a.m. -- 4:00 p.m.

### Second Session:

22 June: 8:00 a.m. -- 4:00 p.m.  
23 June: 8:00 a.m. -- 4:00 p.m.

# Guaranteed Courses

To facilitate planning and to better meet the needs of our students, several courses in both sessions will be guaranteed. A guaranteed course is one that will be taught regardless of enrollment. The following courses are guaranteed.

## First Session:

- BI 102\* - General Biology II
- BU 210\* - Financial Accounting
- CE 203\* - Statics
- EC 201\* Principles of Microeconomics
- EC 303\* - Statistics
- ERH 102\* - English Composition II
- HI 103\* - World History I
- MA 106\* - Introduction to Probability and Statistics II
- MA 123\* - Calculus With Analytic Geometry I
- MA 124\* - Calculus With Analytic Geometry II
- MA 311\* - Elementary Differential Equations
- PY 160\* - General Physics I
- PY 155\* - Laboratory for PY 160
- SP 101\* - Elementary Spanish
- SP 201\* - Intermediate Spanish

## Second Session:

- CE 206\* - Solid Mechanics
- EC 202\* Principles of Macroeconomics
- HI 104\* - World History II
- MA 124\* - Calculus With Analytic Geometry II
- MA 215\* - Calculus With Analytic Geometry III
- MA 220\* - Probability and Statistics for Engineers & Scientists
- PY 161\* - General Physics II
- PY 156\* - Laboratory for PY 161
- SP 102\* - Elementary Spanish
- SP 202\* - Intermediate Spanish

# Course Cancellation Policy

All other courses will be taught only if they have sufficient enrollment. Normally, 100-200 level courses with fewer than 10 students and 300-400 level courses with fewer than 7 students will be canceled. In order to meet the needs of as many students as possible, courses will be canceled in accordance with the following procedure: at 4:00 p.m. on Friday, May 15<sup>th</sup> for the first term and 4:00 p.m. on Friday, June 19<sup>th</sup> for the second term, two lists of courses, "Canceled Courses" and "Courses Subject to Cancellation," will be posted on the Summer Session web page and in the Summer Session and Registrar's Offices. Students can also call the Summer Session Office (540-464-7213) to check on the status of a course.

## Canceled Courses

100-200 level courses with enrollments of 6 or fewer students as of the registration deadline for each session.

300-400 level courses with enrollments of 4 or fewer students as of the registration deadline for each session.

A student enrolled in a course that has been canceled who does not wish to add a course need do nothing further. The Student Accounting Office will credit your account or process a refund. Students who have paid for room and board or registered a car and wish to drop out of the Summer Session should report to the Summer Session Office. **Students, who wish to add, drop, or change a course may do so in the Summer Session Office, in 306 Shell Hall, at the times listed above.**

## Courses Subject to Cancellation

100 - 200 level courses with enrollments of 7 - 9 students as of the registration deadline for each session.  
300 - 400 level courses with enrollments of 5 - 6 students as of the registration deadline for each session.

If late registrants and drop/add push enrollments of these courses to acceptable levels by 3:30 p.m. on the second day of classes for the 1<sup>st</sup> Summer Session (20 May) and the second day of classes for the 2<sup>nd</sup> Summer Session (23 June), they will be offered. Otherwise, they will be canceled (check the web site and in the Summer Session or Registrar's Offices, for "Final Course Cancellations"). Students who do not wish to add or drop a course need do nothing further. The Bursar will credit their account or process a refund. Students who have paid for room and board or registered a car and wish to drop out of the Summer Session should report to the Summer Session Office.

## Tuition and Fees

All fees for the first term must be paid by 3:00 p.m. on May 15th. All fees for the second term must be paid by 3:00 p.m. on June 19th. VMI will not bill parents or students. VMI accepts payment for Summer Session tuition and fees by cash, check, Echeck, or credit card (MasterCard, Discovery, and American Express only). If a credit card is used a 2.25% convenience fee will be assessed.

# Summer Session Fees

**NOTICE:** *The rates listed below are subject to Board of Visitors final approval at their upcoming meeting in May 2015. Tuition and fees are based upon appropriations by the General Assembly. These appropriations are subject to state revenue collections and may be reduced or increased by the Governor. The VMI Board of Visitors consequently reserves the right to adjust tuition and fees any time during the year. Students shall be dismissed from the Summer Session (and, in the case of cadets, from the Institute) for failure to pay tuition and fees or any other financial obligation to the Institute as required. In addition, the Institute reserves the right to hold grades, credits, transcripts, and diplomas until all financial obligations to the Institute have been satisfied.*

**All fees for the first session must be paid by 3:00 p.m. on May 15, 2015. All fees for the second session must be paid by 3:00 p.m. on June 19, 2015.** VMI will not bill parents or students. VMI accepts payment for Summer Session tuition and fees by cash, check, Echeck, or credit card (MasterCard, Discovery, and American Express only). If a credit card is used a 2.25% convenience fee will be assessed.

## **Tuition (per session)**

In-State Tuition per credit hour:	\$318
Out-of-State Tuition per credit hour:	\$994
Late Registration Fee	\$70

## **Room and Board Plans**

Room and board (5 meals per week) (lunch, Mon-Fri)	\$915
Room and board (10 meals per week) (lunch/dinner, Mon-Fri)	\$1,180
*Room and board (15 meals per week) (breakfast/lunch/dinner, Mon-Fri)	\$1,340
Meals only (5 meals per week) (lunch, Mon-Fri)	\$290
Meals only (10 meals per week) (lunch/dinner, Mon-Fri)	\$555
*Meals only (15 meals per week) (breakfast/lunch/dinner, Mon-Fri)	\$715

## **Other Fees**

**Auxiliary fee	\$67
On-post parking fee	\$40
*** Barracks Security Deposit (refundable)	\$100



# Summer Transition Program

**NOTICE:** *The rates listed below are subject to Board of Visitors final approval at their upcoming meeting in May 2015. Tuition and fees are based upon appropriations by the General Assembly. These appropriations are subject to state revenue collections and may be reduced or increased by the Governor. The VMI Board of Visitors consequently reserves the right to adjust tuition and fees any time during the year. Students shall be dismissed from the Summer Session (and, in the case of cadets, from the Institute) for failure to pay tuition and fees or any other financial obligation to the Institute as required. In addition, the Institute reserves the right to hold grades, credits, transcripts, and diplomas until all financial obligations to the Institute have been satisfied.*

## **Tuition**

In-State Tuition per credit hour:	\$350
Out-of-State Tuition per credit hour:	\$1,094

## **Room and Board Plans**

(15 meals--breakfast/lunch/dinner, Mon-Fri)	\$1,072
(19 meals--3 meals/day, Mon-Fri; 2 meals/day, Sat-Sun)	\$1,228

## **Other Fees**

**Auxiliary Fee	\$120
***Barracks Security Deposit (refundable)	\$100
On-Post parking fee (per session)	\$40

\*Offered only if 25 or more students enroll in the 15 meals per week plan.

\*\* The auxiliary fee covers medical services and use of athletic facilities

\*\*\*The barracks security deposit shall be refunded without interest, less any amount for fines or damages, at the end of the session to all non-VMI cadets. VMI cadet deposits from the regular session will apply to the summer session and are refundable upon graduation or termination of the cadetship.

Fees for study abroad programs are listed in the "Study Abroad" section of this catalog.

*All courses taken by a cadet and grades earned in the VMI Summer Session and the VMI Summer Transition Program will be recorded on a cadet's transcript. Only grades of D or better will be included in a cadet's cumulative GPA. A grade of F is never counted in the GPA earned from the summer programs. A cadet may request that a D grade earned in the Summer Session or the VMI Summer Transition Program not be counted toward graduation and for that reason not be included in his or her GPA. This request will be approved only if it is received by the Registrar's Office before the end of the drop/add period of the semester following that Summer Session or Summer Transition Program.*

# Refund Policy

Tuition is refundable in part only upon official notice of withdrawal to the Director of the VMI Summer Session. Tuition will be refunded in full prior to the end of the drop/add period. After the drop/add period, but prior to the 7th day of classes, 25% of tuition will be refunded. **Tuition will not be refunded on or after the 7th day of classes.** Charges for meals will be refunded on a pro rata basis. Parking fees are refundable only if registration is canceled prior to the beginning of classes. The refund policy for study abroad programs can be found in the "Summer Study Abroad" section of this catalog. Exceptions to the refund policy are made only in extraordinary circumstances. Appeals may be made to the Tuition Appeals Committee upon written request to the VMI Comptroller, no later than 60 days after withdrawal from the course or Summer Session.

## Room and Board

**Students have the option of living in barracks or in Lexington and the surrounding area during the Summer Session. Because of summer maintenance and repairs, a room in barracks is not guaranteed.** All available rooms will be assigned on a first-come, first-served basis. Students should be aware that maintenance and repairs may lead to disruptions in barracks life.

Visitors are not allowed in barracks (exceptions may be made by the Commandant's Office or the Director of the Summer Session). Students living in barracks are required to keep their rooms clean and in good order. Rooms are subject to inspection at any time by Institute officials and will be inspected at the end of each term to see that they are clean and in good order.

Students living in barracks during the Summer Session must pay a security deposit of \$100.00 or, in the case of cadets, have that amount in their accounts. The security deposit is due prior to occupancy in barracks. After a VMI official has inspected the room at the end of the term, the security deposit will be refunded without interest, less any sum required for repairs, cleaning, and fines. **PLEASE NOTE: leaving at the end of a term without cleaning the room and without properly checking out of barracks will result in forfeiture of all or part of the \$100 security deposit for all occupants of the room.**

The barracks are used to house other programs during the summer. Participants in those programs will be assigned to live in designated sections of barracks. **The areas designated for these programs are off limits to all students who are not participants.**

**Students living in barracks must purchase a meal plan.** Students not living in barracks may eat in the Mess Hall by purchasing a meal plan. Three plans are available for Summer Session students: 5 meals (lunch, Mon.-Fri.), 10 meals (lunch and dinner, Mon.-Fri.) and 15 meals (breakfast, lunch, and dinner, Mon.-Fri.). The 15-meal plan will be canceled if fewer than 25 students enroll. All meals are served cafeteria style in the Mess Hall according to the following schedule:

Breakfast: 6:30 a.m. - 7:30 a.m.  
Lunch: 11:15 a.m. - 12:30 p.m.  
Dinner: 5:30 p.m. - 6:30 p.m.

Only students who have purchased a meal plan will be allowed to eat in the mess hall. **Note that the 5 and 10 meal plans are restrictive. The 5 meal plan is lunch only and the 10 meal plan is lunch and dinner only. In other words, you cannot purchase the 5 meal plan and eat breakfast one day instead of a lunch. There are no provisions for purchasing individual meals.**

# The Academic Program

The academic policy of the Summer Session parallels regular VMI academic policy and the same standards of instruction and performance are maintained. Instructors are usually members of the VMI faculty. Final grade reports are posted electronically and are also mailed to the home of record of all non-cadets. Final transcripts are sent to colleges, high schools, employers, and others only upon written request. Transcript Request Forms are available in the Registrar's Office, 303 Shell Hall at a cost of \$5.00 per transcript.

All courses taken by a cadet and grades earned in the VMI Summer Session and the VMI Summer Transition Program will be recorded on a cadet's transcript. Only grades of D or better will be included in a cadet's cumulative GPA. A grade of F is never counted in the GPA earned from the summer programs. A cadet may request that a D grade earned in the Summer Session or the VMI Summer Transition Program not be counted toward graduation and for that reason not be included in his or her GPA. This request will be approved only if it is received by the Registrar's Office before the end of the drop/add period of the semester following that Summer Session or Summer Transition Program.

If a student withdraws from a course prior to the 16th class day, the instructor will assign a grade of "W."  
If a student withdraws from a course on or after the 16th day of a term, the instructor will assign a grade of "W" or "WF" based on the student's grades at that time. A student cannot withdraw from a course after the 19th day of classes.

## Class Attendance

The intensive nature of Summer Session work requires class attendance. Only the Director or the Deputy Director of the Summer Session may excuse a student from class. In case of serious illness or an emergency, the Director may waive the attendance rule. Students are responsible for all class assignments, supplementary readings, and lecture material. A grade of zero may be assigned for work missed because of unexcused absences. Instructors will keep attendance records and a student will be assigned a "W" or "WF" when his or her absences, **whether excused or not**, equal fifteen per cent of the class or laboratory periods. A student who has been withdrawn from all courses will not be eligible to attend classes or use any VMI facilities.

## Final Examinations

Final examinations for both terms of the Summer Session will be administered according to the following schedule. Changes may be made only under extenuating circumstances or emergencies and must be approved by the Director of the Summer Session.

First Day of Final Exams (1st term, June 18; 2nd term, July 22)

8:00 – 11:00 a.m. --- Reading time  
1:00 – 4:00 p.m. --- All classes that began at 7:30 a.m.

Second Day of Final Exams (1st term, June 19; 2nd term, July 23)

8:00 – 11:00 a.m. --- All classes that began at 9:45 a.m.  
1:00 – 4:00 p.m. --- All classes that began at 12:30 p.m.

All STP exams will be conducted from 8:00 - 11:00 on Friday, July 24th. Note: There is no exam for ERH-101.

# VMI Summer Transition Program

The VMI Summer Transition Program (STP) is designed to improve both the academic and physical abilities of incoming cadets. Only individuals who will be attending VMI in the fall as new cadets are eligible to participate. The STP begins on June 29 and ends on July 24th. A detailed description and an application for the VMI Summer Transition Program is available on the VMI website <http://www.vmi.edu/content.aspx?id=146>

## Student Conduct

Students enrolled in the Summer Session are required to pursue their studies within VMI regulations. Willful disruption of the educational process, destruction of property, interference with the orderly process of the Institute, or interference with the rights or privileges of others will not be tolerated. Students enrolled in the Summer Session assume an obligation to conduct themselves in a manner compatible with the regulations of VMI--their actions directly reflect on VMI and they should conduct themselves as responsible adults.

For improper student conduct, (i.e., conduct which discredits or injures the reputation of the Institute in any way), officials of the Institute may impose penalties. Penalties may include admonition, oral and written reprimand, probation, restitution, monetary fines, rescission of privileges, forfeiture of fees, dismissal from the Summer Session term, dismissal from the Summer Session as a whole, or other corrective action deemed appropriate by the Commandant or the Director of the Summer Session. In the case of cadets or students who have received appointments to VMI, serious misconduct during the summer session could result in punishment that carries over to the subsequent fall semester in the form of Blue Book penalties. Penalties for the severest forms of misconduct may include suspension or dismissal from the Institute.

## General Regulations

Generally, conduct which subjects a student to disciplinary action includes, but is not limited to, the following:

1. Failure to abide by published regulations or to obey a just order from an Institute official.
2. Physical abuse of any person or conduct that threatens or endangers the health of any person.
3. Harassment, in any form and at any time or place. VMI complies fully with Title IX of the Education Amendments of 1972. Violations involving alleged sexual harassment should be reported to a Summer Session official or to the IG office. Please refer to General Order #16.  
<http://www.vmi.edu/content.aspx?id=36119>
4. Damage to the property of the Institute or to the property of students, faculty, staff, or visitors. In addition to disciplinary sanctions, offenders may be charged for damages.
5. Unauthorized entry into, or use of, Institute facilities.
6. Intentional disruption or obstruction of teaching, research, administration, disciplinary procedures, or other Institute activities.
7. Possession of firearms or weapons on Post (including BB guns, pellet guns, air pistols, bows and arrows, slingshots, and switchblades or knives with blades of over three inches in length).
8. Possession of explosives and fireworks on Post.
9. Consumption or possession of alcoholic beverages on Post. Any Summer Session alcohol offense on Post may result in dismissal from the Summer Session.
10. Violation of the Virginia Code that controls drugs and alcohol. Illegal drugs may not be used or possessed. Violators will be dismissed from the Summer Session. In addition, VMI cadet violators may be dismissed from VMI.
11. Inappropriate dress, lewd or obscene behavior, or public nudity in any form on or off Post.
12. Violation of Institute policies or regulations, including rules concerning the use of Institute facilities.
13. Violation of regulations pertaining to the operation and parking of motor vehicles on Post. Students riding bicycles on Post must obey all traffic laws.

14. Use of skateboards, roller blades, roller skates, scooters, or similar equipment on Post.
15. Alteration, fabrication, or misuse of Institute documents and records or like acts which adversely affect the educational interests and mission of the Institute.
16. Any violation of federal, state, or local law if such directly affects the Institute.
17. Debts: Students eighteen years of age or older are legally responsible for all debts and contractual obligations they incur. Failure to pay any valid indebtedness promptly is cause for dismissal from the Summer Session and the Institute if the offender is a cadet.
18. Practicing golf on Post.
19. Walking or engaging in athletic activities on the football field.
20. Living on post or consuming meals without previously paying the appropriate fees may lead to prosecution for an honor offense.

NOTE: Other parts of this catalog, especially the "General Information: Summer Session," contain more detailed explanations and additional rules, regulations, and guidelines. **Students are expected to be knowledgeable about them when they enroll.**

## The Honor Code

The Honor Code is the heart of the VMI system. Honor, like many idealistic concepts, defies exact definition. The honor system at VMI is not so much a set of rules—although rules are published and distributed to every cadet—as it is a way of living. Lying, cheating, and stealing are considered violations of the Honor Code. Any work submitted by a student is considered to be the student's own work and that he or she has received no unauthorized help.

During the regular session the Honor Code is enforced and guarded by the Corps. Alleged violations are prosecuted by the Honor Court and heard by a jury of cadets selected at random from the Corps. During the Summer Session alleged violations will be heard by a Board of Inquiry made up of Summer Session students, faculty, and administrative personnel. Findings are reported to the Superintendent.

During the Summer Session, only students participating in the meal plans are permitted to eat in the Mess Hall. Eating or drinking food provided for the plan without prior payment is a violation of the Honor Code. Participants are permitted to eat all that they want in the dining facility during the scheduled meal time. Taking large amounts of food or drink from the dining facility to consume later in the day is not permitted as doing so would be equivalent to getting two meals for the price of one and would not be in the spirit of the Honor Code. Those participating in the meal plan will be allowed to leave the dining facility with no more than 16 ounces of drink, one piece of fruit, and an ice cream cone. Residing anywhere on Post, other than as guests in the residence of staff and faculty, is also considered a violation of the Honor Code.

All students enrolled in the VMI Summer Session, including those in the study abroad programs, will abide by the Honor Code. Students found guilty of lying, cheating, or stealing will be dismissed. Students are honor-bound to report to the Director of the Summer Session any violation or any suspicion of a violation of the Honor Code. **Failure to report suspected violations, under the VMI Honor Code, is also an honor violation.** For more information about the Honor Code, please consult the "General Information: Summer Session."

## Dress and Appearance

Although relaxed grooming standards are authorized during the Summer Session, a neat personal appearance will be required of all Summer Session students. Appropriate dress for men consists of shoes, jeans or slacks, dress shorts, and shirts with sleeves designed for outer garment wear. Appropriate dress for women consists of shoes, jeans, slacks, skirts, dresses, dress shorts, and blouses with sleeves designed for outer garment wear. Garments may not be cut off, excessively frayed, or perforated. Both men and women are expected to wear either shoes or sandals. Gym shorts and sweat pants are not considered appropriate for either men or women. Students may not wear caps (or other headgear), use tobacco, or consume food or drink in classrooms. With the exception of females, who are

authorized to wear earrings, students are not allowed to wear body piercing adornments or articles while on post. Men are expected to be clean shaven. These standards apply to students from other colleges as well as to VMI cadets. Corrections will be made if necessary and probation or dismissal may result for continued violation of the dress standards.

## Motor Vehicles

A student enrolled in the VMI Summer Session may keep or park a motor vehicle on post only if the parking fee is paid and the vehicle is properly registered with the VMI Police. Vehicles must be parked in designated areas only (for more information on parking regulations, please consult the "General Information: Summer Session").

Failure to properly register a motor vehicle or to park in designated parking areas shall result in the student losing the privilege of parking the motor vehicle on Post. **Improper parking will result in fines or the motor vehicle being towed** to a privately owned storage facility off Post. The owner of the towed vehicle shall be responsible for paying all towing fees and/or storage fees charged by the towing company. The location of towed vehicles can be ascertained by calling the VMI Police (540-464-7017).

## Facilities

All VMI academic and recreational facilities are in operation during the Summer Session. The Military Store and bookstore are open at specified times for cash and credit card sales. The VMI Hospital will have limited sick call hours on weekdays only. Also available for research purposes is the George C. Marshall Research Library. During the Summer Session, the VMI laundry is not in operation.

## Recreational and Cultural Opportunities

The City of Lexington is a pleasant setting for summer study. The VMI Post is designated a Historic Landmark and within walking distance there are many attractions that each year draw thousands of tourists to the area. The Lime Kiln Theater offers excellent plays and concerts each summer. The area surrounding Lexington is also appealing. Within a few minutes' drive of VMI is Goshen Pass, a beautiful gorge carved into the mountains by the Maury River. The pass has many well-maintained picnic areas and hiking trails. The Maury, with quiet pools for swimming, also provides white water that makes tubing a favorite student sport. Equally close for hiking and camping is the Appalachian Trail, which parallels the Blue Ridge Parkway and Skyline Drive. On the VMI Post are running and jogging trails, a gymnasium with basketball courts, a swimming pool, an indoor track, a well-equipped weight room, and racquetball courts.

# 2015 Summer Session I: May 19 - June 19, 2015

**Courses marked with an asterisks (\*) will be taught.** All other courses will be taught only if they have sufficient enrollment (see Course Cancellation Policy). **Students may enroll for a maximum of 7 credit hours during each term.** Class periods, including a ten-minute break, are scheduled for two hours. Classes meet Monday through Friday. Laboratory periods are scheduled below.

## **APPLIED MATHEMATICS**

### **MA 106\*- Introduction to Probability and Statistics II**

**Instructor:** MAJ Randall Cone

**Location:** Mallory Hall 413

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A continuation of MA 105. Topics include random variables, the binomial and normal distributions, correlation, regression, confidence intervals, and hypothesis testing. Computer/calculator applications will be chosen to enhance understanding of the topics. Prerequisite(s): **MA 105.**

### **MA 123\* - Calculus With Analytic Geometry I**

**Instructor:** LTC Gregory N. Hartman

**Location:** Mallory Hall 412

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

Plane analytic geometry with single variable differential calculus. Limits, derivatives, applications of derivatives, derivatives of transcendental functions and basic integration formulas. Prerequisite(s): **MA 114 with a minimum grade of C, or by placement test.**

### **MA 124\* - Calculus With Analytic Geometry II**

**Instructor:** LTC Gregory N. Hartman

**Location:** Mallory Hall 412

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A continuation of MA 123. Integration and its applications, methods of integration, L'Hopital's Rule, improper integrals, infinite sequences and series. Prerequisite(s): **MA 123 with a minimum grade of C.**

## **MA 126 - Quantitative Methods II**

**Instructor:** MAJ Jessica M. Libertini

**Location:** Mallory Hall 313

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the basic concepts of differentiation and integration to include partial derivatives and the Method of Lagrange emphasizing the techniques and applications relevant to business and economics. Prerequisite(s): **MA 125 with a minimum grade of C.**

## **MA 311\* - Elementary Differential Equations**

**Instructor:** MAJ Randall Cone

**Location:** Mallory Hall 413

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

Ordinary differential equations; applications; Laplace transforms; selected topics from partial differential equations. Prerequisite(s): **MA 124.**

## **BIOLOGY**

### **BI 102\* - General Biology II**

**Instructor:** Dr. Eileen T. Hinks

**Location:** Maury-Brooke Hall 314

**Date/Time:** Lecture: Monday-Friday 9:45 a.m. - 11:45 a.m. Lab: Monday, Tuesday, & Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 4

Lecture material will derive from the concepts presented in the text. BI 102 will focus upon evolutionary principles including selection, speciation, phylogeny, and homology; ecological principles including population and community dynamics, niche theory, competition, trophic levels and symbiosis; and the structure and functioning of specific organ systems. Laboratory topics will complement lecture material as well as include use of the scientific method activities as a means of reinforcing lecture material and preparing for an original research project to be conducted at the end of the semester.



## **BI 215 - Nutrition**

**Instructor:** CPT Deanne L. Moosman

**Location:** Maury-Brooke Hall 314

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

Designed to make students think about their food choices and the impact of those choices on their health. Basic concepts of nutrition including, nutrient digestion, absorption, and transport, energy balance, diet planning, and vitamin and mineral requirements will be discussed. Particular attention will be focused on the role of nutrition in the development of chronic diseases. Students will use computer software to analyze their diets and to develop balanced meal plans for themselves and others.

## **BI 218X - Biology of Gender**

**Instructor:** Dr. Eileen T. Hinks

**Location:** Maury-Brooke Hall 314

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

This course is designed to provide a general overview of human reproductive biology and how male and female health can be affected by social, cultural, and environmental factors. Topics include, but are not restricted to, anatomy and development, reproductive health including hormonal changes throughout life, contraception, sexually transmitted diseases, pregnancy, and infertility (including assisted reproductive technologies). Students will study the cultural differences in men's and women's health in the U.S. and other developed countries as well as developing countries. Note: **Civilizations & Cultures Course**.

## **BUSINESS**

### **BU 210\* - Financial Accounting**

**Instructor:** COL H. Francis Bush

**Location:** Scott Shipp Hall 321

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

Basic principles and concepts of accounting, recording and reporting transactions, and preparation and interpretation of periodic statements. Emphasis is on the rationale underlying accounting operations. Prerequisite(s): **MA 105 & MA 106 with a minimum grade of C, or MA 123 & MA 124 with a minimum grade of C, or MA 125 & MA 126 with a minimum grade of C.**

**BU 230 - Principles of Marketing** **CANCELLED**

**Instructor:** LTC Raymond J. MacDermott

**Location:** Scott Shipp Hall 310

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

**Analysis of the marketing function in business enterprise, including product development, pricing, distribution, and promotion for domestic and global markets. Includes study of market research, environmental scanning and analysis techniques.**

**BU 339 - Operations Management**

**Instructor:** MAJ Benjamin C. Grannan

**Location:** Scott Shipp Hall 117

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

An introduction to operating management decisions which must be made to supply or produce the product or service of an organization. Integrating the major decision responsibilities of process, quality, capacity, and inventory issues through the use of cross-functional decision making is emphasized. Prerequisite(s): **BU 220 & EC 303.**

## **CHEMISTRY**

**CH 117 - Laboratory for CH 137** **CANCELLED**

**Instructor:** Dr. Dale R. Raymond

**Location:** Maury-Brooke Hall 316

**Date/Time:** Monday, Tuesday, and Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 1

Experiments designed to demonstrate the basic principles of chemistry with respect to observations, measurements, and calculations. Corequisite(s): **CH 137.**

**CH 137 - Introductory College Chemistry I** **CANCELLED**

**Instructor:** Dr. Dale R. Raymond

**Location:** Maury-Brooke Hall 203

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A study of the fundamental principles of chemistry and their applications, designed for science, math, and engineering majors. Topics include atomic and molecular structure, chemical bonding, gases, thermochemistry, stoichiometry, physical and chemical properties. Corequisite(s): **CH 117.**

## **CIVIL ENGINEERING**

### **CE 203\* - Statics**

**Instructor:** LTC Charles D. Newhouse

**Location:** Nichols Engineering 438

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

Vector and scalar methods in the composition and resolution of forces; moments of forces; equilibrium in two or three dimensions; simple structures including trusses and frames; shear and moment in beams; distributed loads; friction; centroids and centers of gravity. Prerequisite(s): **MA 124**. Note: **CE majors only**.

### **CE 301 - Structural Theory**

**Instructor:** MAJ Matthew K. Swenty

**Location:** Nichols Engineering 439

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

Analysis of statically determinate and indeterminate structures. Application of electronic computer to structural analysis. Prerequisite(s): **CE 206 or ME 206**.

### **CE 307 - Properties of Engineering Materials**

**CANCELLED**

**Instructor:** LTC Charles D. Newhouse

**Location:** Nichols Engineering 438

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A study of mechanical properties of engineering materials with special emphasis on Portland cement concrete. Materials studied include wood, metals (steel and nonferrous metals) plastics, glass, clay, bituminous materials and Portland cement concrete. Materials testing, specifications, and design are examined through both classroom and laboratory work. Prerequisite(s): **CE-206 with a minimum grade of C**.

## **CE 309 - Fluid Mechanics**

**Instructor:** MAJ David W. Johnstone

**Location:** Nichols Engineering 441

**Date/Time:** Monday-Friday 12:30 p.m. – 2:30 p.m.

**Credit Hours:** 3

Elementary mechanics of fluids. Fluid properties; hydrostatics; fluid kinematics; equations of motion; energy equation; momentum principles; flow of liquids and gases in closed conduits; principles of dimensional analysis and dynamic similitude. Prerequisite(s): **MA 124 & CE 203 with a minimum grade of C.**

## **CE 321 - Environmental Engineering**

**Instructor:** MAJ David W. Johnstone

**Location:** Nichols Engineering 441

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

Environmental engineering aspects of pollution control including a review of environmental chemistry; water/wastewater and industrial waste characteristics; pertinent environmental regulations; reactor engineering and wastewater treatment; municipal and industrial wastewater treatment plant design; and a review of risk assessment.

## **COMPUTER INFORMATION SCIENCES**

### **CIS 111 – Programming I**

**Instructor:** Dr. Youna Jung

**Location:** Mallory Hall 314

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

An introduction to fundamental data types and programming concepts using a modern algorithmic language. Emphasis is on programming style, documentation, and implementation of standard elementary algorithms and data structures.

# **ECONOMICS**

## **EC 201\* - Principles of Microeconomics**

**Instructor:** COL Srimayi B. Sen

**Location:** Scott Shipp Hall 328

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

Microeconomics is the study of human behavior. It is the crucial analysis of how individuals, households and firms make decisions about what to do, where to go, what to buy, what to sell, and what to pay. You will learn how markets shape the world around us: in particular, what a market is, what a market's limitations are. This is a course unlike most courses you have had before. This course will teach you a way to think about your surroundings.

## **EC 300 - Intermediate Microeconomics** **CANCELLED**

**Instructor:** LTC Samuel K. Allen

**Location:** Scott Shipp Hall 321

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

Analysis of the determination of price and output in commodity and factor markets under varying market conditions, the role of prices in the allocation of resources and distribution of income, and the nature of partial and general equilibrium. This is a calculus-based course. Prerequisite(s): **EC 201, EC 202, MA 125, MA 126 or EC 201, EC 202, MA 123, MA 124 all with a minimum grade of C.**

## **EC 303\* - Statistics**

**Instructor:** MAJ Dekuwmini Mornah

**Location:** Scott Shipp Hall 319

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the basic ideas of descriptive statistics, probability, probability distributions, and statistical inference. Emphasis is placed on the application of statistical theory to economic and business issues. Prerequisite(s): **MA 125 & MA 126 with a minimum grade of C or MA 123 & MA 124 with a minimum grade of C.**

### **EC 304 - Econometrics**

**Instructor:** MAJ Dekuwmini Mornah

**Location:** Scott Shipp Hall 310

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

A study of the application of economic theory, mathematics, and statistical inference as applied to the analysis of economic phenomena. Heavy emphasis is placed on the use of simple and multiple regression and the violation of the classical assumptions. Prerequisite(s): **EC 303 with a minimum grade of C.**

### **EC 330 - Intermediate Macroeconomics**

**Instructor:** LTC Raymond J. MacDermott

**Location:** Scott Shipp Hall 310

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The study of aggregate economic activity that incorporates the interaction of the labor, money, and goods and services markets. Extended study of the theories of consumption and investment behavior. Special emphasis on implementation of monetary and fiscal policy as applied to problems of inflation, unemployment, and economic growth. This is a calculus based course. Prerequisite(s): **EC 201 & EC 202 with a minimum grade of C and MA 123 & MA 124 or MA 125 & MA 126 or MA 123 & MA 125, with a minimum grade of C.**

### **EC 408W - Development of Economic Thought**

**CANCELLED**

**Instructor:** LTC Samuel K. Allen

**Location:** Scott Shipp Hall 328

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A study of the evolution of economic analysis from the time of Aristotle to the present. Emphasis is placed on how economic theory evolved, how it was influenced by events, and how the early philosophers contributed to its evolution. A comparison with present day orthodox theory is made throughout the course. Note: **Writing Intensive.** Prerequisite(s): **EC 300 & EC 330 or with a minimum grade of C.**

## **EC 430 - Financial Modeling** **CANCELLED**

**Instructor:** MAJ Benjamin C. Grannan

**Location:** Scott Shipp Hall 117

**Date/Time:** Monday - Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

An introduction to the concepts, methodologies, and applications of spreadsheet and simulation models in finance. Students will be required to use Excel, Crystal Ball, and an Excel add-in software package, to design and build financial models for capital budgeting, portfolio allocation, value at-risk, simulation of financial time series, and financial option valuation. Prerequisite(s): **EC 303 & BU 310 with a minimum grade of C.**

## **ENGLISH, RHETORIC, AND HUMANISTIC STUDIES**

### **ERH 102\* - English Composition II**

**Instructor:** Mr. Micah W. Schultz

**Location:** Scott Shipp Hall 216

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

This course reinforces students' understanding of the writing process, enhances their ability to develop a defensible argumentative thesis, and develops their ability to use research to inform and advance an argument. Note: Minimum grade of C required. Cadets cannot take this course if they have already taken EN 102 or WR 102. Prerequisite(s): **ERH 101 with a minimum grade of C.**

### **ERH 103-01 - Fundamentals of Public Speaking**

**Instructor:** Mr. George A. Abry, Jr.

**Location:** Scott Shipp Hall 218

**Date/Time:** Monday-Friday 9:45 a.m. - 10:35 a.m. (14 Total Class Meetings)

**Credit Hours:** 1

Emphasizing organization and delivery, this course introduces basic rhetorical theory and teaches cadets to consider audience, purpose, context, and occasion as both speakers and listeners. While there are no prerequisites, cadets are encouraged to complete ERH 102 with a minimum grade of C prior to taking ERH 103. Note: **Cadets cannot take this course if they have already taken SE 300.**

## ERH 103-02 - Fundamentals of Public Speaking

**CANCELLED**

**Instructor:** Mr. George A. Abry, Jr.

**Location:** Scott Shipp Hall 218

**Date/Time:** Monday-Friday 12:30 p.m. - 1:20 p.m. (14 Total Class Meetings)

**Credit Hours:** 1

Emphasizing organization and delivery, this course introduces basic rhetorical theory and teaches cadets to consider audience, purpose, context, and occasion as both speakers and listeners. While there are no prerequisites, cadets are encouraged to complete ERH 102 with a minimum grade of C prior to taking ERH 103. Note: **Cadets cannot take this course if they have already taken SE 300.**

## ERH 215 - History of Art I

**Instructor:** Ms. Nataliya J. Olekshyn

**Location:** Scott Shipp Hall 215

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A foundational study of the arts of sculpture, architecture, painting, drawing, and craft traditions from the Prehistoric period through the Medieval era and from many cultures. The course develops awareness of the importance of the arts as an expression of human endeavor and the intimate connection between art and various social, political, philosophical, and religious movements. Note: Cadets cannot take this course if they have already taken FA 251. Prerequisite(s): **ERH/WR/EN 102, with a minimum grade of C.**

## ERH 303WX - Cultural Rhetorics-Appalachia

**Instructor:** MAJ Joshua G. Iddings

**Location:** Scott Shipp Hall 216

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

The purpose of this course is to examine the cultural rhetorics of the Appalachian region of the United States. Through careful and critical examination of key texts, films, and music from and about the Appalachian region, students will gain an understanding of the ways the region is shaped rhetorically from both the outside and within the actual region itself,. Note: **Writing Intensive and Civilizations & Cultures Course.** Prerequisite(s): **ERH/EN/WR 102 with a minimum grade of C.**



## **HISTORY**

### **HI 103\* - World History I**

**Instructor:** Dr. Clifford A. Kiracofe Jr.

**Location:** Scott Shipp Hall 516

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the world's major civilizations prior to 1500, concentrating on their primary values and institutions, and their cultural contacts. Particular attention devoted to the Middle East, China, India, the Mediterranean world, and Western Europe.

### **HI 205 - History of the United States I**

**Instructor:** Ms. Elizabeth Ramsey

**Location:** Scott Shipp Hall 501

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A general survey of American History beginning with the Colonial Period and ending with 1877. The approach is broad with attention being given to political, diplomatic, constitutional, intellectual, social, and economic trends. Required of history majors and minors.

## **INTERNATIONAL STUDIES AND POLITICAL SCIENCE**

### **IS 301 - Techniques of Computer Analysis**

**Instructor:** LTC Howard B. Sanborn

**Location:** Scott Shipp Hall 117

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

A course to teach the fundamentals of computer analysis as practiced by students of international studies, historians, and political scientists. Emphasizes the active use of computers to perform statistical analysis on primary source data from a variety of contemporary and historical sources.

## IS 310 - American Foreign Policy **CANCELLED**

**Instructor:** COL Dennis M. Foster

**Location:** Scott Shipp Hall 113

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The central purpose of this course is to familiarize cadets with prevalent theoretical approaches to decision-making and to use these models to examine the American foreign policy experience. To this end, the course will survey rational, organizational, bureaucratic, and various psychological perspectives. Cadets will then use these tools to critically review the historical development of America's relations with other international actors, including Washington's admonition to steer clear of "foreign entanglements," the world wars, the Cold War, and the current battle against terror. The course concludes with several mock policy debates which are designed to illustrate the intricacies of high-level decision-making and provide insights into the likely conduct of US foreign policy in the 21st Century.

## IS 336X - Politics of China

**Instructor:** LTC Howard B. Sanborn, IV

**Location:** Scott Shipp Hall 449

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

An overview of the political system of China in the post-Mao era. Starting with a discussion of Deng Xiaoping's rise to power, students will discuss the popular desire for democracy and the failed attempts at establishing a more politically accountable government. This class will also detail the liberal economic policies that fostered the dramatic growth of China's economy well into the 21st century. Additionally, students will focus on the evolution of security concerns and civil-military relations on the mainland, as well as issues between China and other actors across the world, notably the United States, Taiwan, Japan, and the developing countries of Africa and Asia. Civilizations and Cultures designation. Note:

**Civilizations & Cultures Course**

## PHYSICAL EDUCATION

### PE 300 - Principles of Physical Conditioning **CANCELLED**

**Instructor:** CPT Daniel A. Jaffe

**Location:** Scott Shipp Hall 510

**Date/Time:** Monday-Thursday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 1

An elementary course in exercise physiology.

**PE 311 - Swim Fitness****CANCELLED****Instructor:** CPT Deanne L. Moosman**Location:** TBA**Date/Time:** Monday-Thursday 9:45 a.m. - 11:45 a.m.**Credit Hours:** 0.5

This class focuses on individual improvement in cardiovascular fitness by regular and progressive swim workouts. Distance and times for swims are gradually increased as the semester progresses. Biomechanics, stroke improvement, and technique will be addressed throughout the semester. Prerequisite(s): **PE 101**.

**PE 405 - Dietary Supplements****CANCELLED****Instructor:** LTC Michael S. Krackow**Location:** Scott Shipp Hall 415**Date/Time:** Monday-Thursday 7:30 a.m. - 9:30 a.m.**Credit Hours:** 0.5

Provides information on the benefits and detriments of common physical performance stimulants.

**PE 412 - Weight Training****Instructor:** CPT Daniel A. Jaffe**Location:** TBA**Date/Time:** Monday-Thursday 7:30 a.m. - 9:30 a.m.**Credit Hours:** 0.5

This will be an activity course designed to give cadets "hand-on" exposure to various types of resistive training programs. Cadets will actively participate in a variety of predetermined functional lifting programs relative to all of the components (strength, power, endurance) of muscular development.

**PE 430 - Health Education****Instructor:** COL Holly J. Richardson**Location:** Scott Shipp Hall 502**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.**Credit Hours:** 3

Topics to be studied include: recognition and management of stress, intervention and confrontation in drug/alcohol abuse, sexuality, AIDS and other sexually transmitted diseases, and other subjects such as nutrition, genetic counseling, cardiovascular health, and cancer.

# **PSYCHOLOGY**

## **PS 201 - Introduction to Psychology**

**Instructor:** MAJ Sarah S. Whipple

**Location:** Scott Shipp Hall 109

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

Principles of human and animal behavior including brain function, motivation, learning, thinking, perception, emotions, personality, attitudes, and aptitudes. This course is a suggested prerequisite for all other courses in psychology.

## **PS 307 - Developmental Psychology **CANCELLED****

**Instructor:** MAJ Sarah S. Whipple

**Location:** Scott Shipp Hall 109

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A survey of human growth and development, this course presents a life span approach to the important, modern forces which have the greatest impact of the life changes of the individual. Opportunities to apply textbook theories and principles will be provided throughout the semester. Prerequisite(s): **PS 201 with a minimum grade of C.**

## **PS 315 - Theories of Personality **CANCELLED****

**Instructor:** LTC Glenn R. Sullivan

**Location:** Carroll Hall 410

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the structure of personality and the dimensions along which individuals differ. The contributions of major personality theorists and the implications of current research are considered for trait, biological, psychoanalytical, cognitive, humanistic, and cross cultural approaches. An overview of the major concepts of contemporary therapeutic systems and an introduction to the elements of effective counseling and psychotherapy. Empirical evaluation of treatment outcomes is emphasized. Research, legal, and ethical issues are examined. Students will learn basic counseling and communication skills through lecture, demonstration, and experiential exercises. Prerequisite(s): **PS 201 with a minimum grade of C.**

## PS 317 – Sports Psychology

**CANCELLED**

**Instructor:** LTC Dave Cotting

**Location:** Scott Shipp Hall 106

**Date/Time:** Monday-Friday 12:30 p.m. – 2:30 p.m.

**Credit Hours:** 3

This course examines the way people think, feel, and behave during sport and exercise activities and the practical application of that knowledge. The specific course objectives are to: a) increase understanding of how psychological factors influence performance in sports, b) help acquire skills and knowledge about sport psychology that one can apply as an athlete, a sports team leader, or a coach, and c) provide keys to optimal experiences and performances in sport, and gain skills that help more consistently experience "flow," "being in the zone," or "feeling on a high" in sports. Prerequisites: PS 201 or permission of instructor.

## PS 318 - Introduction to Counseling and Psychotherapy

**Instructor:** LTC Glenn R. Sullivan

**Location:** Carroll Hall 410

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

An overview of the major concepts of contemporary therapeutic systems and an introduction to the elements of effective counseling and psychotherapy. Empirical evaluation of treatment outcomes is emphasized. Research, legal, and ethical issues are examined. Students will learn basic counseling and communication skills through lecture, demonstration, and experiential exercises. Prerequisite(s): **PS 201 with a minimum grade of C.**

## PS 320 - Positive Psychology **CANCELLED**

**Instructor:** LTC Scott T. Frein

**Location:** Scott Ship Hall 109

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

This course will provide an introduction to key concepts in the area of Positive Psychology. Major topics will include happiness, flow, optimism, forgiveness, goal setting and mindfulness. Class discussions will include a mix of theoretical perspectives, examinations of empirical studies and methods for applying key findings to one's own life. Prerequisite(s): **PS 201 with a minimum grade of C.**

## **PS 344-01 - Leadership in Organizations**

**Instructor:** COL Thomas N. Meriwether

**Location:** Carroll Hall 303

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The focus is on the interaction between leaders, followers, and the situational context of the leadership process. Students study the leader's direct influence on individual motivation and group processes through the application of leadership theories, skills, and attributes. They also learn how to influence subordinates indirectly through organizational systems, procedures, culture, and ethical climate. The design of the course includes self-assessment, self-disclosure, small group exercises in controlled situations, and analysis of case studies. Note: **Enrollment is limited to 15 students.**

## **PS 344-02 - Leadership in Organizations** **CANCELLED**

**Instructor:** COL Thomas N. Meriwether

**Location:** Carroll Hall 303

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

The focus is on the interaction between leaders, followers, and the situational context of the leadership process. Students study the leader's direct influence on individual motivation and group processes through the application of leadership theories, skills, and attributes. They also learn how to influence subordinates indirectly through organizational systems, procedures, culture, and ethical climate. The design of the course includes self-assessment, self-disclosure, small group exercises in controlled situations, and analysis of case studies. Note: **Enrollment is limited to 15 students.**

## **PS 402W - Research Methods in Psychology** **CANCELLED**

**Instructor:** MAJ Sara S. Whipple

**Location:** Scott Shipp Hall 109

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

A laboratory course covering the principal areas of general and experimental psychology. Note: **Writing Intensive Course.** Prerequisite(s): **PS 201 & MA 307**

# **PHYSICS**

## **AT 170 - The Universe**

**Instructor:** LTC Gregory A. Topasna

**Location:** Mallory Hall 312

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A one semester introductory general astronomy course for non-science majors. Topics covered include observations of the night sky, the solar system and its contents, the sun and the nature of stars, stellar evolution, galaxies and cosmology.

## **PY 155\* - Laboratory for PY 160**

**Instructor:** LTC Daniela M. Topasna

**Location:** Mallory Hall 312

**Date/Time:** Monday, Tuesday & Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 1

A laboratory course to investigate the concepts covered in PY 160. Computer generated graphs, spreadsheets, and regression analysis are required for most experiments. Note: **Enrollment limited to 20 students.** Corequisite(s): **PY 160**

## **PY 160\* - General Physics I**

**Instructor:** LTC Daniela M. Topasna

**Location:** Mallory Hall 312

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

This calculus based course constitutes a general course in physics covering the topics of mechanics, heat, sound, light, and electricity and magnetism, and optics. This sequence is not suitable for physics majors. Note: **Enrollment limited to 20 students.** Prerequisite(s): **MA 123**

# **SPANISH**

## **SP 101\* - Elementary Spanish**

**Instructor:** COL John E. Cerkey

**Location:** Scott Shipp Hall 401

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

An introduction to the fundamentals of Spanish. Primary emphasis on the acquisition of the basic language skills (comprehending, speaking, reading, and writing) within the context of structural principles. Secondary emphasis on the culture where Spanish is spoken. Intended for beginners with no previous experience in the language.

## **SP 201\* - Intermediate Spanish**

**Instructor:** COL John E. Cerkey

**Location:** Scott Shipp Hall 401

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A systematic review of grammar and the reading of texts of significant literary or historical value. Composition, aural, and oral work continued. Prerequisite(s): **SP 102**.

## **SP 303W - Spanish Composition & Conversation**

**Instructor:** Dr. John Knowles

**Location:** Scott Shipp Hall 420

**Date/Time:** Monday - Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

Designed for students who wish to gain a command of spoken and written Spanish. Conducted in Spanish. Note: **Writing Intensive**. Prerequisite(s): **SP 202**.



## 2015 Summer Session II: June 22 - July 22, 2015

Courses marked with an asterisks (\*) will be taught. All other courses will be taught only if they have sufficient enroll (see Course Cancellation Policy). Class periods, including a ten-minute break, are scheduled for two hours. Classes meet Monday through Friday except as noted by the calendar. Laboratory periods are scheduled below. **Note: students may enroll for a maximum of 7 credit hours.**

### APPLIED MATHEMATICS

#### MA 105 - Introduction to Probability and Statistics I **CANCELLED**

**Instructor:** COL Lee S. Dewald, Sr.

**Location:** Mallory Hall 412

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A study of problem solving skills, counting principles, finite probability theory, descriptive statistics, and the binomial and normal distributions. Computer/calculator applications will be chosen to enhance understanding of the topics.

#### MA 124\* - Calculus With Analytic Geometry II

**Instructor:** LTC Dimplekumar N. Chalishajar

**Location:** Mallory Hall 413

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A continuation of MA 123. Integration and its applications, methods of integration, L'Hopital's Rule, improper integrals, infinite sequences and series, power series. Prerequisite(s): **MA 123 with a minimum grade of C.**

#### MA 215\* - Calculus With Analytic Geometry III

**Instructor:** LTC Dimplekumar N. Chalishajar

**Location:** Mallory Hall 413

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m. Lab: Tuesday & Thursday 2:30 p.m. - 4:05 p.m.

**Credit Hours:** 4

A continuation of MA 124; Conic sections, parametric equations, polar coordinates, vectors, vector-valued functions, partial derivatives, improper and multiple integrals. Prerequisite(s): **MA 124 with a minimum grade of C.**

## **MA 220\* - Probability and Statistics for Engineers & Scientists**

**Instructor:** COL Lee S. Dewald, Sr.

**Location:** Mallory Hall 412

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

This is a calculus-based treatment of probability and statistics designed for scientists and engineers who cannot take the MA 326/MA 405 sequence. Topics would include: classification of data by graphical and numerical methods; intro to probability to include definitions and theorems; discrete random variables including binomial and Poisson distributions, expectation and variance calculations; continuous random variables to include uniform, exponential, normal, Weibull, Gamma, and Chi-squared distributions; hypothesis testing and least-squares linear regression. Prerequisite(s): **MA 124**.

## **BIOLOGY**

### **BI 101 - General Biology I CANCELLED**

**Instructor:** LTC Billy J. Parson

**Location:** Maury-Brooke Hall 314

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m. Lab: Monday, Tuesday, & Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 4

Lecture material will be derived from the concepts presented in the text. BI 101 will focus upon basic biochemistry and the structure and function of the principle biomolecules; cell structure and function, membrane characteristics, and the transport of material across the cell membrane; cell division including the process of fission, mitosis and meiosis; the structure of DNA and the process of protein synthesis; basic Mendelian and non-Mendelian genetics. Laboratory topics will complement lecture material as well as include use of the scientific method activities as a means of reinforcing lecture material and preparing for an original research project to be conducted at the end of BI 102.

### **BI 222 – Environmental Science**

**Instructor:** Ms. Lisa J. Beckstrom

**Location:** Maury-Brooke Hall 216

**Date/Time:** Monday – Friday 7:30 a.m.- 9:30 a.m.

**Credit Hours:** 3

This course introduces students to environmental concepts and issues. Topics include ecological communities, land management, forest management, biogeochemical cycles, biodiversity conservation, endangered species, air and water pollution, climate change, nonrenewable energy, renewable energy, energy conservation, and ecological footprints.

## **BI 323 - Exercise Physiology ~~CANCELLED & REPLACED BY PE-324~~**

**Instructor:** Staff

**Location:** TBA

**Date/Time:** TBA

**Credit Hours:** 4

This course will examine how the body responds and adapts to exercise. It will focus on a study of the metabolic, muscular, cardiovascular, and respiratory changes associated with both aerobic and anaerobic exercise. Emphasis will be placed on the application of our physiologic understanding of exercise to developing training programs and improving performance. The laboratory component will introduce students to state of art equipment used to assess different components of fitness. Data collection and analysis will be emphasized. Prerequisite(s): **BI 101 & BI 102.**

## **BUSINESS**

### **BU 211 - Managerial Accounting**

**Instructor:** COL H. Francis Bush

**Location:** Scott Shipp Hall 321

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

Analysis and use of both accounting data and periodic statements, operating and capital budgets, costing and control of operations, and various periodic profit-planning designs. Prerequisite(s): **BU 210 with a minimum grade of C.**

### **BU 220 - Principles of Management ~~CANCELLED~~**

**Instructor:** COL Clifford T. West, Jr.

**Location:** Scott Shipp Hall 310

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

The principles and processes of management in the private sector of the economy. Analysis of the managerial functions of planning, organizing, directing, and controlling, emphasizing ethics and social responsibility.

## **BU 310 - Business Finance**

**Instructor:** COL Robert W. Moreschi

**Location:** Scott Shipp Hall 321

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

The approach is from the viewpoint of management in making financial decisions for the firm. Business risk and valuation, capital budgeting, cost of capital, and the decision-making process are the four areas emphasized. Prerequisite(s): **BU 210 with a minimum grade of C.**

## **BU 322 - Human Resource Management** **CANCELLED**

**Instructor:** COL Clifford T. West

**Location:** Scott Shipp Hall 310

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The knowledge, skills, and abilities of management and non-management employees are essential in the attainment of organizational objectives. BU 322 examines the recruitment, selection, training, evaluation, and compensation of employees, within the constraints of operating efficiency and applicable federal and state laws. Prerequisite(s): **BU 220 with a minimum grade of C.**

## **BU 330 - Management Information Systems** **CANCELLED**

**Instructor:** MAJ Jennifer E. Gerow

**Location:** Scott Shipp Hall 328

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

An introduction to the field of management information systems, to include basic information systems' concepts, the use of MIS in systematic problem solving, and managerial implications involved with hardware, software, telecommunications, and database management. Prerequisite(s): **BU 220.**

## **BU 335 - Web 2.0 for Business** **CANCELLED**

**Instructor:** MAJ Jennifer E. Gerow

**Location:** Scott Shipp Hall 328

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

The purpose of this course is to learn how the Internet is changing the way business is done. New technology is making businesses more efficient, allowing them to increase their customer base, and helping them improve their profitability. Topics include social networking, blogging, wikis, collaboration/virtual teams, and media. Prerequisite(s): **BU 220.**

## **CHEMISTRY**

### **CH 118 - Laboratory for CH 138**

**Instructor:** Dr. Dale R. Raymond

**Location:** Maury-Brooke Hall 316

**Date/Time:** Monday, Tuesday, and Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 1

A continuation of CH 117. Emphasis is placed upon proper procedures in chemical syntheses and analyses. Prerequisite(s): **CH 117 & CH 137** Corequisite(s): **CH 138**.

### **CH 138 - Introductory College Chemistry II**

**Instructor:** Dr. Dale R. Raymond

**Location:** Maury-Brooke Hall 203

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A continuation of CH 137. Topics include solutions, chemical kinetics, chemical equilibrium, ionic equilibrium, thermodynamics, electrochemistry, organic chemistry, descriptive chemistry, and nuclear chemistry. Prerequisite(s): **CH 137** Corequisite(s): **CH 118 or CH 126**.

### **CH 262 - Public Health**

**CANCELLED**

**Instructor:** Dr. Eileen T. Hinks

**Location:** Maury-Brooke Hall 202

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The course introduces students to the field of public health and its role in their lives and their community. Students will explore a variety of topics including, but not limited to: (1) the mission/goals of public health (2) the role of epidemiology in public health (3) clinical studies and ethical issues; (4) risk factors for disease (5) global nutritional and disease issues (6) food safety, food borne diseases and investigating food Bourne outbreaks; (7) cardiovascular diseases, diabetes, and obesity; (8) genetically engineered foods and foods from cloned animals; and (9) body image and eating disorders. Topics can be modified to address other contemporary issues in the field of public health. Prerequisite(s): **CH 131 or CH 137 or BI 101**.

## **CIVIL ENGINEERING**

### **CE 206\* - Solid Mechanics**

**Instructor:** LTC Steven D. Hart

**Location:** Nichols Engineering 439

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the behavior of non-rigid bodies when subjected to external tension, compression, bending, torsional loads, or a combination of these loads. Development of mathematical expressions that relate external loads, member properties, and internal stresses, strains, and deflections. Includes elastic and plastic stress theory, energy methods, generalized stress and strain relationships, and buckling theory. Prerequisite(s): **MA 124 and one of the following: CE 203, CE 272, or ME 201 with a minimum grade of C.**

### **CE 307 - Properties of Engineering Materials**

**Instructor:** MAJ Wakeel I. Idewu

**Location:** Nichols Engineering 441

**Date/Time:** Monday-Friday 12:30 p.m. – 2:30 p.m.

**Credit Hours:** 3

A study of mechanical properties of engineering materials with special emphasis on Portland cement concrete. Materials studied include wood, metals (steel and nonferrous metals) plastics, glass, clay, bituminous materials and Portland cement concrete. Materials testing, specifications, and design are examined through both classroom and laboratory work. Prerequisite(s): **CE-206 with a minimum grade of C.**

### **CE 333 – Transportation Engineering** **CANCELLED**

**Instructor:** MAJ Wakeel I. Idewu

**Location:** Nichols Engineering 441

**Date/Time:** Monday-Friday 12:30 p.m. – 2:30 p.m.

**Credit Hours:** 3CE 333 – Transportation Engineering

An overview of highway transportation systems and their relationship to the growth of urban metropolitan areas. The course explores the basic characteristics of highway design and operation and the engineering analysis of highway projects. Prerequisite(s): **CE-121.**

## **CE 473X - Infrastructure-Civilizations**

**Instructor:** LTC Steven D. Hart

**Location:** Nichols Engineering 439

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

This course identifies, analyzes, and assesses built infrastructure which is the foundation for modern civilization and society. The complex and interconnected nature of infrastructures is investigated and demands on critical components are calculated. Students explore the social, financial, political, and cultural factors necessary for developing and operating infrastructure. Major segments of instruction include water and wastewater, power, transportation, solid waste, communications systems, and public administration. Several in-class scenarios are provided to synthesize the connectivity between the major items of infrastructure. The role of infrastructure in recent and historic combat operations is explored. Finally, cadets complete an assessment of an infrastructure component in the Lexington area. Note: **Civilizations & Cultures Course.**

## **COMPUTER INFORMATION SCIENCES**

**CIS 112 – Programming II** **CANCELLED**

**Instructor:** Dr. Youna Jung

**Location:** Mallory Hall 314

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

Program design methods, encapsulation, program maintenance. Run-time behavior and efficiency. Real-time considerations and recovery techniques. Large-scale programming, group management, testing. Language ambiguities and insecurities subset and superset languages. Prerequisite(s): **CIS 111 with a minimum grade of C.**

## **ECONOMICS**

**EC 202\* - Principles of Macroeconomics**

**Instructor:** Dr. Ghislain M. Dutheil de la Rochere

**Location:** Scott Shipp Hall 321

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

An analytical study of the determination of output, employment, interest rates, and inflation in national and global economies. The tools developed in this course are critically applied to the understanding of national economic policy issues.

## **ENGLISH, RHETORIC, AND HUMANISTIC STUDIES**

**ERH 103-01 - Fundamentals of Public Speaking**

**CANCELLED**

**Instructor:** Mr. George A. Abry, Jr.

**Location:** Scott Shipp Hall 218

**Date/Time:** Monday-Friday 9:45 a.m. - 10:35 a.m. (14 Total Class Meetings)

**Credit Hours:** 1

Emphasizing organization and delivery, this course introduces basic rhetorical theory and teaches cadets to consider audience, purpose, context, and occasion as both speakers and listeners. While there are no prerequisites, cadets are encouraged to complete ERH 102 with a minimum grade of C prior to taking ERH 103. Note: **Cadets cannot take this course if they have already taken SE 300.**

**ERH 216 - History of Art II**

**Instructor:** Ms. Nataliya J. Oleksyshyn

**Location:** Scott Ship Hall 215

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

A foundational study of the arts of sculpture, architecture, painting, drawing, and craft traditions from the Renaissance through the Modern era and from many cultures. The course develops awareness of the importance of the arts as an expression of human endeavor and the intimate connection between art and various social, political, philosophical, and religious movements. Cadets cannot take this course if they have already taken FA 252. Prerequisite(s): **ERH/EN/WR 102 with a minimum grade of C.**

**ERH 224W - Genre Studies: Non-Fiction**

**CANCELLED**

**Instructor:** COL Rob McDonald

**Location:** Blue Ridge Room, Center for Leadership and Ethics (CLE)

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A study of the conventions of non-fiction with opportunities to practice writing in the genre. The course emphasizes the process and techniques of original composition and includes opportunities to share work beyond the classroom. Note: Cadets cannot take this course if they have already taken WR 334 or WR 334W. **Writing Intensive Course.** Prerequisite(s): **ERH/EN/WR 102 with a minimum grade of C.**



# HISTORY

## **HI 104\* - World History II**

**Instructor:** Dr. Clifford A. Kiracofe, Jr.

**Location:** Scott Shipp Hall 516

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A study of the world's major civilizations since 1500, the rise and expanding influence of the West, and the interaction between the West and non-West.

## **HI 104-02 - World History II**

**Instructor:** Dr. Clifford A. Kiracofe, Jr.

**Location:** Scott Shipp Hall 516

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

A study of the world's major civilizations since 1500, the rise and expanding influence of the West, and the interaction between the West and non-West.

## **HI 206 - History of the United States II** **CANCELLED**

**Instructor:** Ms. Elizabeth Ramsey

**Location:** Scott Shipp Hall 501

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A general survey of American History covering the period 1877 to the present. The approach is broad with attention being given to political, diplomatic, constitutional, intellectual, social, and economic trends. Required of history majors and minors.

## **HI 315 - The History of Everyday Life** **CANCELLED**

**Instructor:** COL Kenneth E. Koons

**Location:** Scott Shipp Hall 538

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

Social history is an approach to the past which deemphasizes the study of "famous men, great ideas, and big events" in favor of description and analysis of the lives of ordinary people of the past and the social and economic structures which shaped their lives. This course introduces students to sources and methods for the study of "history from the bottom up" and focuses on topics such as family life, courtship and marriage, sex and death, patterns of work and leisure, gender relations, childhood and youth, and old

age. Note: **Region: Europe or United States, but not both.** Methodologically intensive. Prerequisite(s):  
**For History Majors: HI 200 with a minimum grade of C. Non-History Majors: No prerequisite.**

## **INTERNATIONAL STUDIES & POLITICAL SCIENCE**

### **IS 230 - Comparative Politics** **CANCELLED**

**Instructor:** Dr. Vera Heuer

**Location:** Scott Shipp Hall 449

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

This introduction to the field of Comparative Politics has two main objectives. The first is to provide a foundation of basic empirical knowledge about political institutions and processes in select key countries: Britain, France, Germany, Japan, Russia, China, India, Iran, and Mexico. The second, more open-ended, objective is to engage some of the "big questions" and themes in world politics that engage scholars, political leaders, and (ideally) educated citizens: How and why did modern nation-states emerge in the West? How do the legacies of colonialism and socialism influence political and economic development elsewhere? What are the conditions most conducive to liberal democracy and market capitalism--and do they always go together?

### **IS 334X - Politics of Central Asia**

**Instructor:** MAJ Brent D. Hierman

**Location:** Scott Ship Hall 449

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

By exploring the politics and societies of this important, but little understood, region, we will seek to develop a nuanced understanding of how international dynamics continue to shape the states of this region and also how forces emanating from within Central Asia impact the international system. Additionally, in this course students will analytically explore a variety of political and societal phenomena present in the region and beyond. Amongst the phenomena we will examine: the politics of oil and gas pipelines, state-building and nationalism, secession and civil war, Islamism, democratization and authoritarian state consolidation. Note: **Civilizations & Cultures Course.**

### **IS 340 - Political Theory**

**Instructor:** LTC Ryan R. Holston

**Location:** Scott Shipp Hall 113

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 3

First, this course will introduce cadets to the fundamental questions raised in the study of Political Theory, or Political Philosophy, and the importance that these questions have been accorded for over two

millennia of Western history. These are the questions - those related to "the good life" - that were once thought to be at the center of a Liberal Arts education. Cadets will examine the answers to these questions provided by some of the most renowned thinkers in the Western tradition and begin to formulate their own responses. Second, this introduction to the theoretical method will have the added benefit of helping to prepare cadets to ask rigorous qualitative questions. The hard work done in this class will thus help prepare cadets for critical reasoning, writing, and oral argument within Political Science, in other disciplines, and even outside of the classroom.

## **PHYSICAL EDUCATION**

### **PE 101 - Basic Swimming and Survival** **CANCELLED**

**Instructor:** CPT Chad A. Joyce

**Location:** TBA

**Date/Time:** Monday-Thursday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 0.5

Stressed are the basic strokes, survival support, breath control skills, and prelifesaving skills.

### **PE 300 - Principles of Physical Conditioning**

**Instructor:** CPT Chad A. Joyce

**Location:** Cormack Field House

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

**Credit Hours:** 1

An elementary course in exercise physiology.

### **PE 324 – Exercise Physiology** **CANCELLED**

**Instructor:** CPT Stephen T Baur

**Location:** Cormack Field House

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m. Lab: Monday, Tuesday & Thursday 2:45 p.m. – 5:40 p.m.

**Credit Hours:** 4

This course will examine how the body responds and adapts to exercise. It will focus on a study of the metabolic, muscular, cardiovascular, and respiratory changes associated with both aerobic and anaerobic exercise. Emphasis will be placed on the application of our physiologic understanding of exercise to developing training programs and improving performance. The laboratory component will introduce students to state of art equipment used to assess different components of fitness. Data collection and analysis will be emphasized. Prerequisite(s): **BI 101 and BI 102 or permission of instructor.**

## **PE 374 - Understanding Sports Injuries**

**Instructor:** LTC Mike Krackow

**Location:** Cormack Field House

**Date/Time:** Monday-Thursday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** .5

The purpose of this course is to provide an overview in the preventing, recognition, and treatment common sports injuries that occur within the active population. Course content will include anatomical terminology, and mechanisms of injuries.

## **PSYCHOLOGY**

### **PS 201-01 - Introduction to Psychology**

**Instructor:** LTC Glenn R. Sullivan

**Location:** Carroll Hall 410

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

Principles of human and animal behavior including brain function, motivation, learning, thinking, perception, emotions, personality, attitudes, and aptitudes. This course is a suggested prerequisite for all other courses in psychology.

### **PS 201-02 - Introduction to Psychology**

**Instructor:** LTC Glenn R. Sullivan

**Location:** Carroll Hall 410

**Date/Time:** Monday-Friday 9:45 a.m. – 11:45 a.m.

**Credit Hours:** 3

Principles of human and animal behavior including brain function, motivation, learning, thinking, perception, emotions, personality, attitudes, and aptitudes. This course is a suggested prerequisite for all other courses in psychology.

### **PS 301 - Psychology of Learning**

**CANCELLED**

**Instructor:** MAJ Kristen A. Rost

**Location:** Carroll Hall 303

**Date/Time:** Monday-Friday 12:30 p.m. - 2:30 p.m.

The empirical and theoretical examination of learning and memory. Topics covered include conditioning, discrimination, short-term and long-term retention. Prerequisite: PS 201. Prerequisite(s): **PS 201 with a minimum grade of C.**

## **PS 344 - Leadership in Organizations**

**Instructor:** MAJ Kristen A. Rost

**Location:** Carroll Hall 303

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

The focus is on the interaction between leaders, followers, and the situational context of the leadership process. Students study the leaders direct influence on individual motivation and group processes through the application of leadership theories, skills, and attributes. They also learn how to influence subordinates indirectly through organizational systems, procedures, culture, and ethical climate. The design of the course includes self-assessment, self-disclosure, small group exercises in contrived situations, and analysis of case studies.

## **PS 404 - History & Systems in Psychology** **CANCELLED**

**Instructor:** LTC Glenn R. Sullivan

**Location:** Carroll Hall 410

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

This course is designed for psychology majors and is a requirement for graduation. It provides an in-depth review of historical events and figures leading to the emergence of the science of psychology and the development of major psychological theories. The philosophical and scientific origins of psychology as a science are analyzed as well as the impact of emerging movements on important psychologists. The focus of much of the reading is the history of psychology as reflected by the individuals, theories, and experimental investigations of the discipline. Rather than focus on broad philosophical and historical issues, the course is aimed at specific emerging philosophical trends that lead to the development of the discipline. Prerequisite(s): **PS 201 with minimum grade of C.**

## **PHYSICS**

### **PY 156\* - Laboratory for PY 161**

**Instructor:** COL John R. Thompson

**Location:** Mallory Hall 220

**Date/Time:** Monday, Tuesday & Thursday 2:40 p.m. - 5:40 p.m.

**Credit Hours:** 1

A laboratory course to investigate the concepts covered in PY 161. Computer generated graphs, spreadsheets, and regression analysis are required for most experiments. Note: **Enrollment limited to 20 students.** Corequisite(s): **PY 161**

### **PY 161\* - General Physics II**

**Instructor:** COL John R. Thompson

**Location:** Mallory Hall 312

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

This calculus based sequential course constitutes a general course in physics covering the topics of mechanics, thermodynamics, waves and sound, electricity and magnetism, and optics. Note: **Enrollment limited to 20 students.** Prerequisite(s): **PY 160**

## **SPANISH**

### **SP 102\* - Elementary Spanish**

**Instructor:** COL John E. Cerkey

**Location:** Scott Shipp Hall 401

**Date/Time:** Monday-Friday 7:30 a.m. - 9:30 a.m.

**Credit Hours:** 3

A continuation of SP 101. Prerequisite(s): **SP 101.**

### **SP 202\* - Intermediate Spanish**

**Instructor:** COL John E. Cerkey

**Location:** Scott Shipp Hall 401

**Date/Time:** Monday-Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

A continuation of SP 201. Prerequisite(s): **SP 201.**

### **SP 314 - Latin American Cultures & Civilizations**

**CANCELLED**

**Instructor:** Dr. John Knowles

**Location:** Scott Shipp 420

**Date/Time:** Monday - Friday 9:45 a.m. - 11:45 a.m.

**Credit Hours:** 3

An overview of the history, art, literature, society, educational and legal systems, and values of Latin America. Texts chosen from a variety of sources including newspapers, original documents, literary works, government documents. Emphasis on Writing and Conversation. Conducted in Spanish. Note: **This is not an "X" course and does not count towards Civilizations & Cultures requirements.** Prerequisite(s): **One 300 level SP course.**

# Summer Study Abroad: 2015

The Office of International Programs offers foreign study programs for academic credit through the VMI Summer Session. In addition, VMI-affiliated programs such as the Virginia Program at Oxford (VPO) will also be available. For more information on study abroad programs please contact:

Major Cindy Irby  
Office of International Programs  
Virginia Military Institute  
Lexington, VA 24450  
540-464-7350

## THE FOLLOWING GUIDELINES APPLY TO ALL STUDY ABROAD PROGRAMS:

The application deadline for the French Language Program is 2 February 2015; China, Bolivia, CCIT Taiwan, and Germany is 31 January 2015; Central Europe, Canada, Morocco, China, Peru, International Studies in Asia, and Math in Paris and Berlin programs is 28 February 2015. A non-refundable \$250 deposit is due by 1 February, with full payment due no later than 13 March 2015. The Oxford program application process is handled separately. Contact Professor Duncan Richter for Oxford program information.

Unless stated otherwise, students currently enrolled and in good standing at an accredited university or college are eligible to apply. Applicants from other universities should include a faculty letter of recommendation, an official transcript, and a short essay outlining the applicant's personal and academic goals for the program, along with the application.

All fees listed are preliminary and are subject to approval by the VMI Board of Visitors. Program dates may change slightly due to unforeseen circumstances, in which case the program director will work closely with participants to ensure that there is no adverse impact on their participation in the program.

Check the website at [www.vmi.edu/ipsummer](http://www.vmi.edu/ipsummer) for more information and application materials.

**Summer Study Abroad Refund Policy:** Refunds for study abroad programs are made only after all relevant accounts are cleared and any recoverable funds have been credited to VMI. Upon determination and approval by the Director of the VMI Summer Session, a refund of recoverable funds will be issued as follows:

- If a student withdraws between the program fee payment due date and the date the program is scheduled to begin overseas, only recoverable funds, less a \$500 administrative charge, are refundable.
- If a student withdraws at any time during the program, there will be no academic credit or refund.
- If a student is suspended or expelled from the program for any reason, there will be no academic credit or refund.

Exceptions to the refund policy are made only in extraordinary circumstances. Appeals may be made to the Tuition Appeals Committee upon written request to the VMI Comptroller, no later than 60 days after withdrawal from the program. Information: For more information about study abroad programs, please contact Maj. Irby at [irbycg@vmi.edu](mailto:irbycg@vmi.edu) or (540) 464-7350.

*Applications are available online at [www.vmi-oip.terradotta.com](http://www.vmi-oip.terradotta.com).* Participation in these programs is contingent upon approval by the Program Director.

# Chinese Language in Shanghai

**Dates:** May 19 – June 21

**Cost:** \$4,950 plus airfare (*subject to BOV approval*).

## Program Description

This new summer program is designed for students who aspire to obtain the first-hand experience of mainland China, one of the oldest civilizations on earth and also a leader of global capitalism. Students will earn six credits in Chinese language at the 100 or 200 level as well as three credit for Survey of Chinese Society which is taught in English.

In the 21st century, China and the US will continue to be two extremely important players in the global political, economic, and international system. This program provides students with an opportunity for language immersion, cultural exploration, an examination of Chinese history, exciting excursions, and also a critical view of a rising China that in turn will broaden their global perspectives, deepen their understanding of Sino-American relationship, and make them ready to serve their country well.

*For more details on the program, please feel free to contact Dr. Ma at [mal@vmi.edu](mailto:mal@vmi.edu).*

## Room, Board, and Travel

Students will live in Tongji International students dormitories. Meals at Tongji University will be at each student's expense while meals during excursions will be covered by the program.

## Program Director

Dr. Lunpeng Ma is an Assistant Professor of Chinese. He has previously led a 7 week program to Beijing, China.

# Engineering at the Chung Cheng Institute of Technology in Taiwan

**Dates:** May 17 - May 30

**Cost:** CCIT will provide cost free tuition, room, and board. The only cost to the cadet is roundtrip airfare to Taipei, Taiwan.

## Program

Cadets may choose three 1 credit courses from among the six offered. These courses will be taught in English and no prior knowledge of the Chinese language is required.

- Topics in Explosives and Chemical Warfare
- Information Security Technology
- An Introduction to Marine Vehicles Design
- Design Methodology of Aerial Vehicle
- Geospatial data processing
- Infrared Optical Principles and processing



## Room and Board

Students will be living with CCIT cadets in their barracks. Cadets will wear the class uniform. They will be able to participate in physical training and other aspects of daily life at CCIT. Cadets are exposed to many aspects of Taiwanese culture. Excursions in the past have included trips to Taipei, Longshau Temple, Taipei 101, the Shi-lin Night Market, and Sun Moon Lake.

# Environmental Engineering & Construction in Bolivia

**Dates:** May 18 - June 18

**Cost:** With 3 credit hour course: \$3,500 plus airfare (*subject to BOV approval*). Without 3 credit hour course: \$2,500 plus airfare (*subject to BOV approval*).

Fees include tuition, in-country accommodations, two meals/day, and in-country transportation. International airfare and incidentals are not included.

## Program Director

MAJ Tim O. Moore, Assistant Professor of Civil Engineering, will serve as the Program Director. A 1997 graduate of VMI, Tim has been practicing Civil Engineering in both the public and private consulting sector for more than 15 years. Tim also spent 8 years as a Civil Engineering Officer in the U.S. Air Force Reserves. He earned his Ph.D. in Civil & Environmental Engineering from Virginia Tech in 2009. Tim's areas of expertise are water and wastewater infrastructure design, air emissions testing (fate, transport and analysis), air toxics analysis, global climate change, odor control and air pollutions deleterious effects on water and wastewater quality. He has accomplished many successful water and sanitation construction projects in Haiti, Central America and South America previously and now with VMI.

## Program Description

CE 340X, Environmental Engineering and Construction in Developing Countries, is a three credit hour course which uses hands-on application of rudimentary field design and construction techniques for the implementation of basic environmental necessities in developing communities and the enhancement of overall quality of human life. Students conduct construction activities in various developing communities worldwide. The course explores the role of the environmental engineer, and specifically the average human being in worldwide public health and seeks to promote an awareness of communities lacking access to basic human rights such as clean drinking water and adequate sanitation. Students will maintain a daily journal or blog while in-country and will publish the blog or journal on ePortfolio upon return to the U.S. Students are also required to write a preliminary design report for implementation of in-country design, and a final reflective essay to be posted on ePortfolio for dissemination to the general VMI public.

## Room and Board

Students will be living within the community in which the project is being implemented. Students will camp in the local school building located in the community.

## Cultural Experience

Students in this class will work together to design and implement sustainable engineering, medical, environmental, and economical projects to help impoverished communities become healthier and self-sufficient. 100% of this course is active, hands-on engaged learning from both a practical problem-solving perspective and interpersonal and cultural relations. The goal of this class is to provide students with the opportunity to apply their diverse academic backgrounds to real-life situations for the benefit of those lacking basic human needs, such as clean drinking water

and basic medical care, while gaining real-life experience communicating and working effectively in another culture, and gaining appreciation and respect for cultures. By gaining an appreciation and respect for their own unique skillset and leadership skills along with the great need for this knowledge, cadets will become well-rounded citizen soldiers armed with the life experience and expertise to lead and facilitate positive change.

## French Language and Culture in Paris

**Dates:** May 21 - June 26

**Cost:** \$5,950 plus airfare (*subject to BOV approval*).

Fees include tuition, insurance, and accommodation in dorms. International airfare costs are not included.

### Program Directors

Major Jeff Kendrick earned his Ph.D. from the University of Kansas and served as the First-Year French Language Coordinator and the Interim French Language Program Supervisor for the past several years. He enjoys teaching language, literature, and culture classes, especially in the medieval and Renaissance periods. His research interests include the poetry of Marguerite de Navarre and other contemporaries, the Reformation in France, medieval lyric poetry, and medieval chivalric romance.

Major Abbey Carrico earned her Ph. D. from Emory University. Her research interests include 19th century French literature, literary criticism, and ecocriticism.

### Room and Board

Students will be housed in double occupancy rooms in the Cite Universitaire, or similar student residence in Paris. Meals are not included.

### General Overview

Students will be immersed in French culture and language during a five-week intensive course of study that includes level-appropriate language instruction and a French culture and history course taught in English. The program will also offer students the opportunity to travel to important historical sites in Paris and Normandy. Students will earn a total of nine hours of credit, three hours for the French culture and language course and six hours at the 100, 200, or 300 level which can be counted toward fulfilling their VMI language requirement. It is aimed at those fulfilling a language requirement and French majors and minors.

## German Language or Mechanical Engineering in Berlin

The Virginia Military Institute, in partnership with Studienforum Berlin, is pleased to present two summer four-week programs in Berlin, the capital of Germany.

**Dates:** May 19 - June 19

**Cost:** \$4,900 plus airfare (*subject to BOV approval*).

Fees include tuition, books, accommodation with host families, two meals/day, public transportation (pass for the subway, trams and buses), sightseeing tours in Berlin and Potsdam, excursion to Weimar and Buchenwald, museum entrance fees, as well as airport pick-up and drop-off service. International airfare is not included.

## **Program Director**

Mrs. Patricia Hardin, who has been teaching German at VMI since 2000, will serve as the Program Director. Mrs. Hardin, who was born in communist Romania, immigrated to Germany when she was 10 years old and spent many years living, and attending school, in Germany until coming to the US to attend college at Wake Forest University in 1984. She received her Master's degree in Germanic Languages and Literature from the University of Illinois at Urbana-Champaign.

## **Program Option 1: German Language Program**

4 weeks of formal language and culture instruction.

### **Academic Facilities**

Language instruction will be provided by Die Neue Schule, one of the best known language schools in Berlin. Die Neue Schule has earned the status of a "Supplementary Private School" and is supervised by the Berlin Government. The school is located in a quiet residential area within walking distance to the heart of Berlin and to the subway stations. The modern classrooms are equipped with the latest instructional technologies.

The language instruction portion of the academic program will consist of four weeks of formal German language instruction (80 contact hours), at the 200- and 300-level, conducted in Berlin at the Die Neue Schule. Students who successfully complete the course of instruction will earn six credit hours in German.

In Berlin, some of the culture lectures, as well as some of the cultural tours, will be provided by Dr. Hanns D. Jacobsen, a long-time resident of Berlin who has published extensively on international political and economic issues, including the subject of European integration.

The cultural portion of the academic program will consist of weekly lectures addressing specific cultural topics followed by weekly topic-specific excursions in Berlin and other German areas. As part of this cultural program, students will learn about Imperial and Nazi Germany as they visit the Jewish Museum and the Nazi concentration camp Buchenwald. They will learn about the division and re-unification of Germany as they visit the former German Democratic Museum, Checkpoint Charlie, and the Stasi prison Hohenschönhausen as well as cities such as Dresden, previously under the "iron curtain." They will experience the cultural life of contemporary Germany as they visit contemporary art exhibits and concerts, and shop at the most trendy boutiques and one of the largest department stores in Europe, KaDeWe. Since Berlin is the capital city of Germany, students will learn about the German government and political system through a visit to the Reichstag, the German Capital Building. Students will also visit the Sanssouci Palace, the summer residence of the Prussian King Frederick the Great, and the Cecilienhof Palace, site of the 1945 Potsdam Conference.

The program also offers one optional weekend excursion to the Southwestern part of Germany as well as to the Alsace region in France. This optional excursion includes a day trip to the Black Forest for the customary German hiking (Wandern). The group will take a car ferry across the famous Rhine River. The first stop on this day trip is a guided tour at the Maginot Line Museum followed by a visit to Colmar, a typical Alsacien city. There, the group will visit the museum of Auguste Bartholdi, creator of the Statue of Liberty and will dine on the typical meal of Tarte Flambée (Flammenkuchen).

## **Program Option 2: Engineering Program**

No foreign language requirement. COL Michael Hardin will be teaching two Mechanical Engineering courses:

ME 302 - Dynamics

ME 487X - Global Engineering

List of excursion in conjunction with the Global Engineering class:

- Science Park Adlershof
- BMW Motorcycle Plant
- Siemens
- Transparent VW Factory in Dresden, Germany
- Technical University Berlin
- Fraunhofer Institute of Production Systems and Design Technology
- Museum of German Technology

### **Room and Board**

Students will be living with German families who speak English. This allows students to see German culture 'up close and personal.' Students will share two meals a day with their German family.

### **Academic Facilities**

The engineering classroom is located in a quiet residential area within walking distance to the heart of Berlin and to the subway stations.

As part of the engineering cultural program, students will learn about Imperial and Nazi Germany as they visit the Jewish Museum and the Nazi concentration camp Buchenwald. They will learn about the division and re-unification of Germany as they visit the former German Democratic Museum, Checkpoint Charlie, and the Stasi prison Hohenschönhausen as well as cities such as Dresden, previously under the "iron curtain." They will experience the cultural life of contemporary Germany as they visit contemporary art exhibits and concerts, and shop at the most trendy boutiques and one of the largest department stores in Europe, KaDeWe. Since Berlin is the capital city of Germany, students will learn about the German government and political system through a visit to the Reichstag, the German Capital Building. Students will also visit the Sanssouci Palace, the summer residence of the Prussian King Frederick the Great, and the Cecilienhof Palace, site of the 1945 Potsdam Conference.

The program also offers one optional weekend excursion to the Southwestern part of Germany as well as to the Alsace region in France. This optional excursion includes a day trip to the Black Forest for the customary German hiking (Wandern). The group will take a car ferry across the famous Rhine River. The first stop on this day trip is a guided tour at the Maginot Line Museum followed by a visit to Colmar, a typical Alsacien city. There, the group will visit the museum of Auguste Bartholdi, creator of the Statue of Liberty and will dine on the typical meal of Tarte Flambée (Flammenkuchen).

## **International Studies in Asia CANCELLED**

**Dates:** May 19 - June 17

**Cost:** \$4,500 plus airfare (*subject to BOV approval*).

Fees include tuition, insurance, and accommodation in dorms. International airfare costs are not included.

### **Program Director**

LTC Howard Sanborn is Associate Professor of International Studies and Political Science at VMI. His research focuses on popular support for democratic institutions, the role of education in cultivating liberal values, and reflective pedagogy with ePortfolios and their use in teaching about Asia.

During his time as a professor, LTC Sanborn has dedicated himself to providing a variety of experiences for student on and off-campus. In 2009, he led 12 VMI cadets to the National Conference on Undergraduate Research. He has also taken students to Asia, teaching classes in Shanghai and visiting sites in Xi'an, Beijing, and Taipei.

## Eligibility

Any current student in good standing with an accredited university is eligible to apply. VMI students need only submit an application. Applicants from other universities should include a faculty letter of recommendation, an official transcript, and a short essay outlining the applicant's personal and academic goals for the program, along with the application. Applications must be received no later than 28 February. A deposit of \$250 is due with the application.

## Room and Board

Students will stay in student dorm rooms at the Republic of China Military Academy in Kaohsiung. They will stay in hotels in Taipei and Hong Kong. Most meals will be at the cadets' expense.

## General Overview

VMI, in conjunction with the Republic of China Military Academy offers this program in which students will visit the sites of some of the newest, most vibrant young democracies in the world. Student will take two courses in International Studies and Politics in order to understand the depth of reforms and the practice of citizens. They will spend the majority of time in Kaohsiung, Taiwan, home of the National Sun Yat-sen University and the Republic of China Military Academy.

# International Studies in Central Europe

**Dates:** May 26 - June 25

**Cost:** \$3900, plus airfare (*subject to BOV approval*).

VMI, in partnership with the National University of Public Service is pleased to announce a four-week summer program in Budapest, Vienna, and Graz.

## Room and Board

Full room and board is provided by Zrinyi Miklos National Defense University in Budapest. Participants are normally housed in single rooms in the officers' quarters. Many rooms come equipped with a small refrigerator and television. Board includes two meals daily, with many affordable eating options available for the remaining meal. The University is on a central metro line, with easy access to the city center. Many grocery stores, restaurants, and markets are within walking distance of the University. Housing in Vienna and Graz will be in hotels.

## Academic and Cultural Program

Participants will be enrolled in 6 credit hours of international studies seminars related to Central European Politics and Security. Courses will examine the dynamic political and security situation in modern day Central Europe. Coursework and lectures will be supplemented by visits to historical sites and museums.

## Program Director

Maj. Patrick Rhamey is an assistant professor in the VMI Department of International Studies. A graduate of Rhodes College, he received his Ph. D. from the University of Arizona in Political Science. He has spent time throughout Europe conducting research, including contributions to the edited volume *Regional and International Relations of Central Europe*, an article in the French journal *Cahiers de la Mediterranee*, and forthcoming research in the Russian journal *Vestnik-MGIMO*.

# Marine Vertebrate Zoology in Canada

**Dates:** July 11 - 26

**Cost:** \$3,000 plus airfare (*subject to BOV approval*).

## Program Director

Major Pieter deHart is an Assistant Professor of Biology at VMI. He earned his M.A. through Boston University's Marine Program and his Ph. D. from the University of Alaska. His expertise is in the fields of Marine Mammal Science, Trophic Ecology, Vertebrate Anatomy & Physiology, Population Biology, marine Ecosystem Dynamics, Conservation Biology, and the Application of Stable Isotopes to Ecological Studies.

## Room and Board

Housing will be at the Huntsman Marine Centre in dormitory-style rooms. All meals are included in the cost.

## General Overview

Marine vertebrate zoology is an intense project-oriented field course where students will study large marine vertebrates (e.g. whales, seals, seabirds, fish) through observation and scientific examination under natural conditions through frequent field trips at sea and ashore in arguably the most vibrant marine ecosystem on the planet - the Bay of Fundy in New Brunswick, Canada. Other experiences include first-hand explorations and identification of species found on the most extreme tidal flats in the world, a tour of Grand Manan Island, as well as interactions with organisms at the most diverse aquarium in New Brunswick. Students will also have the opportunity to travel to historical sites in St. Andrews and explore French-Canadian culture. This course may be used to satisfy the intensive Experience for the ECOS concentration in Biology.

# Math in Paris and Berlin

**Dates:** June 21 – July 19

**Cost:** \$5,200 plus airfare (*subject to BOV approval*).

## Room and Board

Housing in Paris will be in a hotel with breakfast included daily. In Berlin, students will live with host families who will provide breakfast and dinner.

## Academic and Cultural Program

Students will spend approximately one week in Paris and three weeks in Berlin studying the French and German schools of mathematics and the great mathematicians from those regions. They will take courses that fit naturally into STEM programs at VMI, one on the history of mathematics (MA331X which focuses on mathematics in Europe) and either MA311: Differential Equations or a 300 level math elective (to be determined based on cadets in the program who may have already taken MA311). In addition, they will visit sites related to their studies, interact with professionals and citizens of France and Germany and will explore areas in and around Paris and Berlin.

## Program Directors

Col. Troy Siemers is the Head of the Applied Mathematics program at VMI. He earned his Ph. D. from the University of Virginia and previously led a summer program abroad in Lithuania.

Mrs. Patricia Hardin will serve as the Co-Program Director. Mrs. Hardin was born in communist Romania, immigrated to Germany when she was 10 years old and spent many years living and attending school in Germany until coming to the US to attend college at Wake Forest University in 1984. She received her Master's degree in Germanic Languages and Literature from the University of Illinois at Urbana-Champaign. She has led VMI summer programs in Germany since 2010.

## Morocco

The Virginia Military Institute is pleased to present Passage to Morocco, the premier cultural and linguistic immersion program in North Africa. Venture into a world of mystery, extreme contrasts, and beauty. Come to Morocco, and experience an Islamic culture that has thrived at the doorstep of Europe for centuries and puts to test theories of a "Clash of Civilizations."

**Dates:** May 23 - July 4

**Cost:** \$4,500 plus airfare (*subject to BOV approval*).

Fees include tuition, books, homestay room and board (two meals per day), insurance, and all costs associated with scheduled excursions except some meals. Roundtrip airfare to Morocco is not included.

### Room and Board

Students will stay with selected Moroccan families or, in special cases, the student housing arranged by the Arabic Language Institute of Fez (ALIF). The home stay will greatly augment language acquisition and provide an enhanced understanding of Moroccan culture. For the overwhelming number of past participants, the experience of living in the heart of a Moroccan family (whose hospitality is legendary for good reason) is the highlight of their visit. The home stay also allows you to practice your Arabic in a supportive setting and learn about Moroccan culture from the inside. At least one member of the family will be proficient in English. However, students wishing a deeper immersion experience can request a non-English speaking or French-speaking family. Two meals per day will be provided with the homestay.

### Program Director

Dr. Mohamed Taifi, Professor of Arabic and French at VMI, will serve as the Program Director. Dr. Taifi is a native of Fez, Morocco and a distinguished author, professor and academic administrator. His vast knowledge and experience will ensure participants enjoy an exceptional academic and cultural experience.

### Academic Facilities

Classes at ALIF are conducted in a large, Moorish-style villa surrounded by an oasis-like setting of date palms, olive trees, and rosemary shrubs. The tranquil residential neighborhood is situated away from the noise of the downtown area yet is still within easy walking distance of many restaurants and cafes. ALIF has a specialized library with texts on Arab, North African, and Islamic studies, as well as a collection of Arabic language videos and cassettes.

### Academic and Cultural Program

This five-week program consists of intensive Modern Standard Arabic study, cultural diversity exploration through homestays, interdisciplinary lectures in English, and field trips to historical and cultural attractions. Although subject to change, excursions traditionally include visits to the capital city of Rabat, the Imperial City of Meknes, Roman Ruins at Volubilis, the Holy City of Moulay Idriss, Museums in Meknes and Fez, Islamic "Medersas," mountain Berber villages of Ifrane, Azrou, and Sefrou, as well as the Sahara desert at Merzouga. Students can earn up to nine semester credits; six semester credit hours (120 contact hours) in Modern Standard Arabic or French, and three semester credit hours for a course entitled "The History and Culture of Morocco." In addition to formal language instruction all students will receive 10 hours of instruction in "Survival Moroccan Arabic."

## Fez, the Islamic City

Amongst the great centers of Islamic/Eastern civilization (Baghdad, Damascus, Cairo, and Jerusalem) Fez is the most well preserved, having never been destroyed by either war or natural disaster. Fez has long been known as the "Intellectual Capital of Morocco," and prides itself on its status as a historic and hospitable city. Founded in the 9th Century AD, the old medina remains much as it was centuries ago when students began flocking there from around the world in search of knowledge. Recently named a "World Heritage City" by UNESCO, Fez is recognized by scholars worldwide as the best preserved and only truly functioning "Islamic City."

## Spanish Language in Peru

The Virginia Military Institute, in partnership with The Academia Latinoamericana, is pleased to present a summer four-week language and cultural immersion program in Cusco, Peru.

**Dates:** May 23 - June 22

**Cost:** \$3,900 plus airfare (*subject to BOV approval*).

Fees include tuition, insurance, accommodation with host families, and most meals. International airfare costs are not included.

### Program Director

Dr. Faundez-Reitsma earned her Ph.D. in Hispanic Studies and languages in 2007 from Washington University in St. Louis. She enjoys teaching language, literature, and transatlantic culture classes, particularly those dealing with the Colonial period. The specific focus of her research is the mosaic of cultures, West African as well as North African and Arabic, which imparted the American colonies of Imperial Spain, and in particular the Caribbean, with their distinct character and rich history. In 2012, Dr. Faundez-Reitsma was a recipient of VMI's Jackson-Hope Faculty Development Grant for the purposes of further studies and research on these themes in both Spain and Morocco.

### Room and Board

Students will be housed with families who speak little or no English. The home stay experience greatly enhances language acquisition and cultural understanding and is often a highlight of the program. The host family will provide two meals a day, breakfast and lunch.

### General Overview

This will be a language, culture, and art history program in which all participants will earn six hours of Spanish credit at the 200 or 300 level. Students will visit the most significant Incan archaeological sites in the country and will be introduced to the history, traditions, culture, and social structures of highland Andean communities in South America. In addition to language studies, upper level courses are combined with service-learning in the areas of education, ecology, social work, and medicine through community volunteer opportunities in these areas. Students will be observing the cultural diversity of the Cusco region to see the wildlife of three distinct ecosystems: the volcanic, the highlands of the Andes Mountains, and the tropical forest around the citadel of Machu Picchu.

## Virginia Program at Oxford

**Dates:** June 29 - August 8

**Cost:** Approximately \$7,900 plus airfare. This sum includes full tuition, room, board, and group excursions to Shakespeare productions in London and Stratford-upon-Avon. Not included is the cost of airfare, personal weekend travel, passports, and incidental expenses (*subject to BOV approval*).



## **Academic and Cultural Program**

The Virginia Program at Oxford is an interdisciplinary summer school program based in St. Anne's College, Oxford University. The six-week program, which is open to students of any major after their first year, examines the history and literature of Renaissance England. Instruction follows the English system of higher education, combining daily lectures by renowned, British scholars with small, weekly tutorials. Students, drawn from a six-school consortium of small Virginia colleges and universities, earn three credits in history and three credits in English.

**Subject:** The literature, history, and society of late 16th and early 17th century England, the Elizabethan, Jacobean, and Caroline periods, will be the central theme of both lectures and tutorials. (A sample tutorial)

**Academic Credit:** Upon successful completion of the program the student will be awarded six academic credits, three in English and three in history.

**Residence:** All participants will reside at St. Anne's College (single rooms) and will take their meals in the college commons.

**Application Procedures:** The program is open to rising seniors, juniors, and sophomores from any major or discipline. (Application and instructions)

Completed applications are due by February 13, 2015. An application fee of \$250 must accompany each application. In the case of successful candidates, this fee will be applied to the cost of the program. The fee is returned if the student is not accepted.

Announcement of acceptances will be made in early March 2015.

\*Subject to exchange rate. Exact fee will be set in February.

# General Information: Summer Session

**Administration.** The Director of the Summer Session is LTC Jack Johnson. The Deputy Director for the first term is LTC Merce Brooke and for the second term CAPT. John Riester. The Summer Session office is located in 306 Shell Hall and is open from 8:00 a.m. to 4:30 p.m., Monday through Friday. Phone: (540) 464-7213.

**Academic Center.** The Miller Academic Center ([www.vmi.edu/mac](http://www.vmi.edu/mac)) in 202 Carroll Hall will be open from 8:00 a.m. to 4:30 p.m., Monday - Friday. Cadets are invited to stop by or make an appointment to talk with staff to discuss any questions or concerns about their academic performance or need to enhance relevant skills such as time management or study skills. Free planners for the summer sessions are available.

**Barbershop.** The barbershop will be open from 9:00 a.m. to 3:00 p.m. on Wednesday only or by appointment.

**Bookstore.** The VMI Bookstore will be open from 9:00 a.m. – 4:00 p.m. Monday through Friday.

**Center for Cadet Counseling.** The Center for Cadet Counseling (CCC) offers a range of services designed to develop awareness, values, knowledge and skills necessary for Cadets to make healthy choices, meet future challenges and lead meaningful lives. Services include educational programming, individual assessment and counseling, crisis intervention, and consultation. A staff of upper class cadets, known as Cadet Peer Educators (CPE), assists the professional staff with health and wellness programming throughout the academic year. Topics of interest to cadets include maintaining emotional wellness, stress management, alcohol and drug abuse prevention, and healthy relationships. In addition, the Cadet Peer Educators are accessible to Rats and Cadets on an individual basis. They are particularly helpful in guiding Rats as they make the transition to college and the VMI culture. Counseling services are confidential and conducted by licensed mental health professionals.

For more information, please call 540-464-7667 or visit our website: <http://www.vmi.edu/counseling>

**Disability Services.** The Office of Disabilities Services (ODS) is committed to meeting ethical and legal responsibilities to ensure equitable educational access to cadets with documented disabilities. We support the academic success, personal growth and development of life and leadership skills for cadets in a manner that promotes self-awareness, self-determination, and self-advocacy. ODS also serves as a resource to the VMI community to encourage awareness and understanding regarding disabilities issues in higher education.

Cadets with documented disabilities are encouraged to schedule a meeting with the Director of ODS as early as possible to allow adequate time for review of documentation, to allow for a thorough assessment of academic needs, and to familiarize new cadets with administrative procedures. For more information, please call (540-464-7667) or visit our website: <http://www.vmi.edu/ds>

**Drug and Alcohol Policies.** The unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance or alcohol is prohibited on VMI-owned or VMI-controlled property or as part of any school activity, regardless of location.

**Alcohol.** VMI does not tolerate the abuse of alcohol by any VMI student. All students attending the VMI Summer Session will observe all state and local laws governing the possession, purchase, or use of alcoholic beverages. Students who make themselves conspicuous as a consequence of drinking alcoholic beverages may be dismissed from the summer session or otherwise punished. *VMI Regulation, Part III, Chapter 23, specifically addresses the issue of drug and alcohol use.*

**Illicit Drugs.** VMI does not tolerate drug abuse by any VMI student at any time or place, whether in a duty, leave, or furlough status at VMI or elsewhere. The Institute intends to exercise the utmost diligence in preventing the illegal introduction of marijuana, cocaine, narcotics, or other controlled substances on Post. VMI will impose disciplinary sanctions on students who unlawfully possess, use, or distribute illicit drugs (consistent with local, state, and federal laws) up to and including expulsion from the Institute and referral for prosecution. Students should be aware that most drug offenses are classified as felonies and that conviction

of such an offense can have serious consequences, including destruction of any hope of pursuing a military or professional career.

**Final Examinations.** Final examinations for both terms of the Summer Session will be administered according to the following schedule. **Changes may be made only under extenuating circumstances or emergencies and must be approved by the Director of the Summer Session.**

First Day of Final Exams (1st term, June 18; 2nd term, July 22)

8:00 – 11:00 a.m. --- Reading time  
1:00 – 4:00 p.m. --- All classes that began at 7:30 a.m.

Second Day of Final Exams (1st term, June 19; 2nd term, July 23)

8:00 – 11:00 a.m. --- All classes that began at 9:45 a.m.  
1:00 – 4:00 p.m. --- All classes that began at 12:30 p.m.

**Library.** Preston Library will be open during the following times:

Mondays - Thursdays:	8:00 a.m. to 11:00 p.m.
Fridays	8:00 a.m. to 4:30 p.m.
Saturdays:	Noon to 5:00 p.m.
Sundays:	7:00 p.m. to 11:00 p.m.
Exceptions:	CLOSED for Memorial Day weekend (23-25 May) and July 3rd, 4 <sup>th</sup> & 5 <sup>th</sup> Open 8:00 a.m. to 4:30 p.m. on July 3.

**Mathematics Education and Resource Center (MERC) and the Open Math Lab (OML).** The MERC will be open for both summer sessions, according to the schedule below. There will be tutors on-hand for help in the following mathematics courses: MA-103, MA-105/MA-106, MA- 114, MA-123/MA-124, MA-125/MA-126, MA-215, MA-220, and MA-311. There is no cost to VMI students for this service and no appointments are necessary. Tutoring is held in the OML, which is located on the 700-level of Preston Library.

**Summer Session I:**

Week 1 (May 19-22):	Wednesday and Thursday 1-4 and 7-11 p.m.; Friday 1-4 p.m.
Week 2 (May 26-29):	Tuesday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.
Week 3 (June 1-5):	Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.
Week 4 (June 8-12):	Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.
Week 5 (June 15-19):	Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.

**Summer Session II and STP:**

Week 1 (June 22-26):	Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.
Week 2 (June 29-30, July 1-2):	Monday through Thursday: 1-4 and 7-11 p.m.
Week 3 (July 6-10):	Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.

Week 4 (July 13-17): Monday through Thursday: 1-4 and 7-11 p.m.; Friday 1-4 p.m.

Week 5 (July 20-23): Monday through Thursday: 1-4 and 7-11 p.m.

**Mail.** The mail room window will be open from 10:00 a.m. to 2:15 p.m. and 3:00 to 4:00 p.m. Monday through Friday.

**Medical Services:** The VMI Post Hospital will be open Monday – Friday from 7:00 a.m. to 3:00 p.m. for routine medical services. There will be a nurse on duty and a physician on call. Illnesses or injuries requiring an overnight stay will be referred to the local hospital and students will be responsible for the cost of their care in that facility. Students should make every effort to have their medical needs cared for during the clinic hours. When the Post Hospital is closed students needing medical attention will have to go to the local emergency room for evaluation. **All accidents**, including automobile accidents, causing serious bodily harm or property damage are to be reported immediately to a Summer Session official.

**Military Store.** The Military Store will be open from 7:30 a.m. - 11:00 a.m. and 12:00 p.m. - 3:30 p.m., Monday through Friday.

**Microcomputer Laboratories.** Computer labs will be open as listed:

117 Scott Shipp 8:00 a.m. – 4:30 p.m., Monday - Friday

414 Mallory 8:00 a.m. – 4:30 p.m., Monday - Friday

Barracks Study Room Open 24 hours, seven days a week

**Parking.** The following regulations apply to Summer Session Parking:

All motor vehicles must be registered. Failure to register a vehicle and to properly place the parking sticker on the vehicle may result in either the revocation of the privilege of parking the vehicle on Post or in a recommendation to the Superintendent that the offender be dismissed from the VMI Summer Session. The parking decal must be displayed as directed by VMI Police. Vehicles not displaying a parking decal are subject to being towed.

**Permitted Parking.** Monday through Friday parking is permitted only in the lots designated for Cadet Vehicles. Designated Parking for Cadets are: (1) perimeter parking spaces in the Marshall Hall Lot, (2) Main Street Parking Lot, (3) Patchin Parking Lot, (4) Anderson Drive Parking Lot, and the (5) Clarkson-McKenna Parking Lot. The Cadet parking areas are available for parking on a first come first served basis. Please refer to the map which will be issued with your parking sticker for authorized parking areas.

On weekends (5:00 p.m. Friday until midnight, Sunday) parking is permitted in the spaces surrounding Scott Shipp Hall, Cocke Hall, and the academic buildings along Letcher Ave.

**Prohibited Parking.** Student parking is prohibited in the following areas:

- Anywhere the curb is painted yellow.
- Around all areas of Barracks, in front of Carroll Hall, Maury Brooke Hall, and the Old Hospital.
- From Mondays through Fridays, all parking lots surrounding Scott Shipp Hall, Cocke Hall, and the academic buildings along Letcher Ave, including the new North Institute Hill Parking Lot.
- Parking spaces in front of Moody Hall, Smith Hall, the George C. Marshall Museum, and faculty residences surrounding the parade ground.

Violation of parking regulations will result in fines and/or towing. The student in whose name the vehicle is registered will be responsible for all fines and towing and storage charges. The location of towed vehicles and the charges for towing and storage can be ascertained by contacting the VMI Police.

**Post Exchange/Food Court.** The PX will be open during the following times:

9:00 a.m. to 5:00 p.m. Monday – Saturday

12:00 p.m. to 5:00 p.m. on Sunday

**Recreational Facilities.** The following VMI recreational facilities will be open during the hours indicated:

Racquetball Courts      2:30 p.m. to 5:00 p.m., Monday - Friday

Swimming Pool          12:00 p.m. to 1:00 p.m., M-F & 3:00 p.m. to 5:30 p.m. Monday-Thursday

Weight Room            9:00 a.m. to 8:00 p.m., Monday -Thursday;  
9:00 a.m. to 5:00 p.m., Friday

**Washington & Lee Campus Off Limits.** In recent summers problems have arisen with participants of summer programs at VMI inappropriately interacting with participants of summer programs at Washington and Lee University. Consequently, the entire W&L campus is off limits to all VMI Summer Session students. The only exceptions are: a) students may walk through the campus on the concrete walkway immediately in front of Lee Chapel, and b) students who need to obtain or return a library book from the W&L library may do so before 6 p.m. by walking directly to or from the library. Students who violate this directive are subject to disciplinary action at VMI and arrest for trespassing at W&L.

**Writing Center.** The Writing Center will be open during the hours indicated:

**Summer Session I:**

Week 1 (May 19):      Thursday: 1-4.

Week 2 (May 25):      Tuesday through Thursday: 1-4 p.m.

Week 3 (June 1):      Monday through Thursday: 1-4 p.m.

Week 4 (June 8):      Monday through Thursday: 1-4 p.m.

Week 5 (June 15):     Monday through Thursday: 1-4 p.m.

**Summer Session II:**

Week 1 (June 22):     Tuesday through Thursday: 1-4 p.m.

Week 2 (June 29):     Monday through Wednesday: 1-4 and 7-10 p.m.

Week 3 (July 6):      Monday through Thursday: 1-4 and 7-10 p.m.

Week 4 (July 13):     Monday through Thursday: 1-4 and 7-10 p.m.

Week 5 (July 20):     Monday through Thursday: 1-4 and 7-10 p.m.

# VMI Summer Session Honor System Standard Operations Procedure

The purpose of this document is to set forth the procedures for the administration of the VMI Honor System during the VMI Summer Session.

## The VMI Honor Code

The Honor Code is the daily application of the principles of ethics, honesty, and personal integrity by each student (cadet) to the problems with which he/she is confronted. It pervades every activity of life—personal, academic, athletic, and military—and presents a rigid standard by which all students (cadets) must live. Because the Code is such an integral part of the life of each student (cadet), its very existence depends on the vigilance of every student (cadet) at VMI. Therefore, every reasonable suspicion of a violation of the Code must be reported immediately. **A student who has knowledge of a breach of the Honor Code, and who does not report the same, is himself/herself guilty of a violation of the Honor Code.**

Reporting breaches of the Code: The keystone of the VMI Honor Code is the fact that each student (cadet) is honor-bound to report to the Honor Court any breach or reasonable suspicion of a breach of the Honor Code that comes under his/her observation or is in any way brought to his/her attention. **Breaches involving students (cadets) taking summer courses at VMI must be reported to the Director of the Summer Session and to no other person. Breaches involving students (cadets) taking courses in Foreign Study Programs sponsored by the Summer Session must be reported to the Resident Program Director and to no other person.**

Administration of the Honor Code: it is inconsistent with a code of personal honor for there to be exhaustive written rules as the sole basis of determining honorable conduct. Hence, there are but few absolute rules for the administration of the Honor System.

Definition of the terms “**Certified**” and “**Official Statement**”

**Certified.** When applicable to a student’s (cadet’s) act or written or oral statement or report, the term “certified” means that his/her statement is true to the best of his/her information and belief in every significant particular.

**Official Statement.** Means a written or oral statement made by a student (cadet) to another student (cadet) or an officer of the Institute who receives the statement in the course of acting in an official capacity. All official statements are certified.

## Work for Grade Policy

Development of the spirit as well as the skills of academic inquiry is central to the mission of VMI’s Academic Program. As a community of scholars, posing questions and seeking answers, we invariably consult and build upon the ideas, discoveries, and products of other who have wrestled with related issues and problems before us. We are obligated ethically and in many instances legally to acknowledge the sources of borrowed material that we use in our own work. This is the case whether we find that material in conventional resources, such as the library or cyberspace, or discover it in other places like conversations with our peers.

Academic integrity requires the full and proper documentation of any material that is not original with us. It is therefore a matter of honor. To misrepresent someone else’s works, ideas, images, data, or other intellectual property as one’s own is stealing lying, and cheating all at once.

Because the offense of improper or incomplete documentation is so serious, and the consequences so potentially grave, the following policies regarding work for grade have been adopted as a guide to students (cadets) and faculty in upholding the Honor Code under which all students (cadets) live.

**Work for Grade.** The term “work for grade” is defined as any work presented to an instructor for a formal grade or undertaken in satisfaction of a requirement for successful completion of a course or degree requirement.

**Student’s (Cadet’s) Own Work.** The term “student’s (cadet’s) own work” means that the student has composed the work from his/her general accumulation of knowledge and skill except as clearly and fully documented and that it has been composed especially for the current assignment. No work previously submitted in any course at VMI or elsewhere will be resubmitted or reformatted for submission in a current course without the specific approval of the instructor.

In all work for grade, failure to distinguish between the student’s (cadet’s) own work and ideas and the work and ideas of others is known as **plagiarism**. Proper documentation clearly and fully identifies the sources of all borrowed ideas, quotations, or other assistance. The student (cadet) is referred to the VMI-authorized handbook for rules concerning quotations, paraphrases, and documents.

In all written work for grade, the student (cadet) must include the words “**HELP RECEIVED**” conspicuously on the document, and he or she must then do one of two things: (1) state “none,” meaning that no help was received except as documented in the work; or (2) explain in detail the nature of the help received. In oral work for grade, the student (cadet) must make the same declaration before beginning the presentation. Admission of help received may result in a lower grade, but will not result in prosecution for an honor violation.

Students (cadets) are prohibited from discussing the contents of a quiz/exam until it is returned to them or final grades are posted. This enjoinder does not imply that any inadvertent expression or behavior that might indicate an individual’s feeling about the test should be considered a breach of the certification. The real issue is whether students (cadets) received information, not available to everyone else in the class, which would give them an unfair advantage. If an individual inadvertently gives or receives information, the incident must be reported to the class instructor and to the Director of the Summer Session.

Every student (cadet) bears the responsibility for familiarizing himself/herself thoroughly with the policies stated in this section, with any supplementary statement posted by the academic department offering a course he or she taking, and with any special conditions provided in writing by the professor for a given assignment. If there is any doubt or uncertainty about the correct interpretation of a policy, the student (cadet) should consult the instructor of the course. There should be no confusion, however, on the basic principle that it is never acceptable to submit someone else’s work, written or otherwise, formally graded or not, as one’s own.

The violation by a student (cadet) of any of these policies will, if he he/she is found guilty, result in his/her being dismissed from VMI. Neither ignorance nor professed confusion about the correct interpretation of these policies is an excuse.

## **Procedures: Special Board of Inquiry**

1. A faculty member who discovers an apparent violation of the honor code will report the violation to their department head. The department head will decide whether the collected evidence justifies referral to the Director of the Summer Session. If the department head decides that the evidence does not justify referral, then he or she will conclude the investigation. Otherwise, the department head will submit a written report to the Director of the Summer Session. The report must contain both a recommendation for action and all relevant documents, including a statement signed by the faculty member who reported the violation. If the department head is absent, the faculty member should report directly to the Director of the Summer Session. Students should report all suspected honor violations to the Director of the VMI Summer Session or, in the case of students studying abroad to the Resident Program Director.
2. The Director of the VMI Summer Session or Resident Program Director, with assistance as necessary, conducts a preliminary investigation and reports his preliminary findings in writing through the Dean to the Superintendent. The report to the Superintendent will have the evidence attached. If a Special Board of Inquiry is recommended, proposed charge(s) and specification(s) are included in the report.

3. If the Superintendent believes that the matter should go forward, then he or his representative will have a charge sheet prepared, setting forth the charge(s) and specification(s) and listing the witnesses against the accused. Appended to the charge sheet will be a copy of all available evidence including written statements of the faculty member or student who discovered the apparent violation and the report of the Director of the VMI Summer Session or Resident Program Director.
4. The accused, along with a member of the faculty or staff (preferably his/her academic advisor) is brought before the Superintendent or his representative to be officially charged with a violation of the VMI Honor Code. At this time the accused is informed of his/her rights and presented with charge(s) and specification(s), the list of witnesses, and a copy of all available evidence. The accused is encouraged to contact his/her parents or guardian in the presence of his/her faculty or staff advocate. After reviewing the evidence and conferring with parents and the advisor, the accused must inform the Superintendent or his representative of his/her intent to have the case heard or admit guilt. If a hearing is requested, the date for the hearing is established at this time.
5. An admission of guilt results in immediate dismissal from VMI.
6. If the accused decides to have the case heard, the Superintendent appoints a Special Board of Inquiry by special order. In selecting members of the Board, the Superintendent or his representative uses a list of available faculty and staff members submitted to him by the Director of the Summer Session. No member of a department in which an alleged violation occurred is eligible. Student members are selected from the current Summer Session roster at random.
7. The Board of Inquiry consists of 3 faculty/staff members, one of whom is appointed President of the Board, 2 cadets, a faculty/staff prosecutor, and a recorder from the faculty or staff who has no vote. The purpose of the Board is to determine the true facts and report findings and recommendations to the Superintendent. Questions related to procedural issues or admissibility of evidence should be directed to the Superintendent's Representative to the Honor Court.
8. The accused and his/her counsel are given sufficient time to prepare a defense.
9. The Board of Inquiry is convened. Using the Board of Inquiry Hearing Procedures as a guide, the President of the Board conducts the proceedings in which all facts are presented to and explored by the Board. Witnesses are presented by the Prosecution and by the Defense for questioning. These witnesses may attest to the character of the accused or they may have knowledge of the event or of the circumstances surrounding it. The Board is under no restriction as to who may appear before it. The sequence for the hearing follows:
  - a. The case against the student (Prosecution)
  - b. The case for the student (Defense)
  - c. Any additional questions (Rebuttal and Board Questions)
  - d. Review of important points pro and con (closing arguments and deliberations)
10. After closing arguments, the Board begins deliberations. When each Board member has come to a decision as to the guilt or innocence of the accused, a vote is taken on each specification. Two not guilty votes result in an acquittal.
11. Upon completion of the Board's proceedings, a written report containing the essential facts in the case, together with all evidence and the recommendation of the Board, will be sent to the Superintendent for action. At the request of the Superintendent, the Prosecutor and President are present to discuss the outcome of the Special Board of Inquiry during the Superintendent's review process. The Superintendent informs the accused of his final decision upon completion of his review.

**Foreign Study Programs.** Cadets/students involved in foreign study programs sponsored by the VMI Summer Session are subject to the VMI Honor Code. Suspected violations should be reported to the Resident Program Director. The Resident Program Director conducts an investigation and forwards all evidence to the Superintendent through the Director of the VMI Summer Session in accordance with the procedures found in paragraph 2 above. If the Superintendent believes that the matter should go forward, then a charge sheet will be prepared in accordance with the procedures found in paragraph 3 above and the accused is brought before the Resident Program Director to be officially charged with a violation of the VMI Honor Code in accordance with the procedures found in paragraph 4 above. The accused cadet/student will be permitted to remain in the program, but a grade of "I" will be assigned for all of his/her courses. A Board of Inquiry will be convened upon the accused cadet's/student's return to VMI. If acquitted, the cadet/student will receive a grade and credit for the course. If convicted, he/she will not receive credit for the course and, in the case of a VMI cadet, will be dismissed from VMI.