

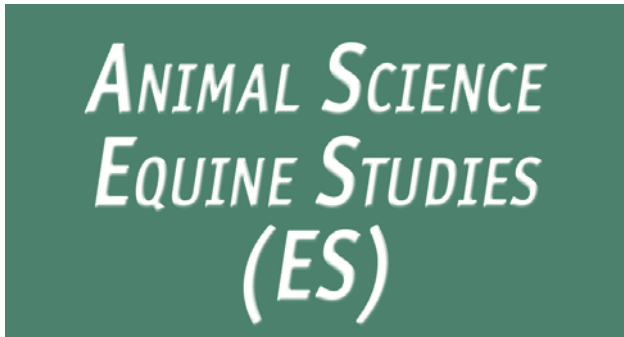
Animal Science

The programs in Animal Science are designed to address the diversity of opportunities available in the animal science field. Students must select a major in either Equine Studies or Large Animal Science upon entering the college.

For students majoring in equine studies or large animal, the department maintains a livestock farm, equine facility, and a laboratory animal colony to provide “hands-on” experience.

The curriculum in each program provides the student with a solid mix of liberal arts, basic science, and professional courses to assure the student becomes a well-rounded, well-educated professional in the animal science field. Recent graduates in Animal Science have been employed as: Animal Care Technician, Veterinary Assistant, Trainer/Manager, Horse Farm Manager, Research Technician, Feed Sales Person, Nutritionist, Pharmaceutical Sales Representative, Herdsman, and VoAg Teacher.

Students may elect to earn a minor in any major outside of Animal Science. These minors, consisting of 15 credits, allow the student to obtain a high degree of technical and practical knowledge in very specific areas.



Faculty:

Karin Glassman, Director of Equine Studies
 Cory Herald
 Fredrick R. Hofsaess
 Larry D. Morris
 Angelo Telatin
 Susan Turcott White

Animal Science Degree in Equine Studies

The curriculum in this program is designed to provide the student with great breadth and depth in all aspects of Equine Studies. As is true of all the college’s programs, this degree features “learning by doing.” This practical educational strategy is designed to prepare graduates for challenging careers in riding or driving instruction, training, management of equestrian and breeding facilities, horse show personnel management, business management and marketing, and management in national and international regulatory agencies. Positions are also available in equine related industries, such as the manufacturing, distribution and sale of supplies, feed, and health

products. Equine Studies graduates have found positions such as: Stable Manager, Saddlery Sales Regional Manager, Breeding Farm Manager, Driving Concessionaire, Riding Instructor, Horse Trainer, Veterinary Practice Manager, Equine Nutrition Specialist/Consultant, and Therapeutic Riding Program Director.

The college maintains equine facilities on campus including a breeding facility, and the riding and training facility.

The Equestrian Center is an Official Approved Riding Establishment of the British Horse Society. Located on campus, it consists of an indoor arena (84’ x 280’) along with 48 stalls, tack and harness rooms, wash stalls, carriage room, and student lockers. A 140’ x 185’ outdoor jumping ring, Hitchcock pen, and Round Pen complete the facility. Surrounding the Equestrian Center are acres of pastures, farmland, and cross-country trails.

The Breeding Facility consists of a 16 stall barn, breeding shed and laboratory, and two turn-out sheds with associated pastures. The college stands two stallions and a broodmare herd. All Equine students have the opportunity to assist with foaling and breeding procedures.

Students enrolled in the Equine Studies program are not required to bring their own horses. Those students wishing to bring their own horse may inquire about lease arrangements. Alternative arrangements may be made to board locally. A complete list of boarding facilities is available from the Equine Studies department office.

Delaware Valley College is an active member of the Intercollegiate Horse Show Association and sponsors Hunt Seat and Western Equestrian Teams. The Hunt Seat Team included Cartier Cup Teams in 1992 and 1994, and placed as Reserve Champions in Zone 3-Region 2 in 1995 – 1999, 2001, and 2003. Delaware Valley College hosted the Zone 3 Championship Show in 2000 and 2002. The Equine Studies Department joined the Intercollegiate Dressage Association in 2003. The I.D.A. Team competes in the East Coast Region.

Equine Studies majors have the opportunity to participate in a semester exchange program with Hartpury College in England. Like DVC, Hartpury College has a strong agricultural tradition. Furthermore, Hartpury is home to a premiere British Horse Society equestrian facility, site of the annual Hartpury Advanced Horse Trials. This cooperative arrangement provides an excellent opportunity for students wishing to receive advanced instruction in cross-country riding and to prepare for the British Horse Society Riding and Instructor Certification exams. Interested students should inquire about application qualifications and procedures.

An Equine Studies Program fee is assessed to support the specialized costs of this program**. All students in the program are expected to be appropriately outfitted with riding boots, breeches, an approved ASTM-SEI helmet, and gloves. All horses, saddles, bridles, harness, and carriages are provided by the college. Students must bring four polo bandages, a dressage whip, and jumping bat. Tipperary Body Protectors are highly recommended for jumping classes, and are required for cross-country jumping (Comparative Techniques Riding Skills section).

All Equine students are required to work at the Equestrian Center and Breeding Facility as part of their course work. Weekly and weekend assignments are allocated at the beginning of each semester. Reflective of the “hands-on” nature of the Equine Studies

program, several academic courses require time commitments outside of classroom hours. New students entering the program will be required to complete a non-credit Pre-Internship in order to familiarize themselves with the stable routine. This program is scheduled during the last two weeks in August. Information regarding fees and registration for the Pre-Internship is forwarded to incoming students in May.

The Equine Studies Internship courses fulfill the college's Employment Program requirement. It consists of one 6 week on-campus course (required of all students in first year of enrollment; scheduled during January Term and Summer Session), one 10 week "Externship" (required only of Bachelors Degree Candidates, taken off campus at an approved Employment site), and one 6 week Internship which may be completed either off or on-campus.

The total number of credits required for graduation with a Bachelor of Science degree in Animal Science is 137 including 6 credits of Internship. This degree program is only open to full-time enrolled students.

Because of the competitive nature and limited enrollment in Equine Studies, all candidates are encouraged to submit their applications prior to January 15th.

Due to the physical requirements of the program and emphasis upon practical skills acquisition, a moderate degree of physical fitness and personal discipline is expected of all enrolled students for reasons of safety and preparedness. To perform stable chores students must be capable of lifting 40-50 pounds.

Prior riding and horse handling experience is required. Students should be capable of cantering a strange horse in a group of riders, and must submit a professional reference from a work or volunteer position.

Associate of Science Degree in Equine Studies

This curriculum is designed to provide the student with a solid base of knowledge in various aspects of Equine Studies. The student is exposed to the basics in all aspects of the equine industry. Elementary ground-training, riding, driving, breeding, and stable management are presented. The "learn by doing" approach is a very strong feature of this program. Career opportunities are available in entry-level positions for stable management, training, and other related equine industry areas.

The academic requirements for students in the Associate of Science Program in Equine Studies parallel those for the college's baccalaureate programs. Requirements concerning program fees, weekly work assignments, required equipment, and participation in the on campus Internship and Pre Internship are identical to those stipulated above for the Bachelor of Science degree.

The total number of credits required for graduation with an Associate of Science Degree in Equine Studies is 66 including successful completion of 4 Internship credits students (ES 2304 and ES 2305).

Enrollment in this program is limited. All candidates are encouraged to submit their applications prior to January 15th. Transfer students entering the Associate of Science program must complete at least 24 credits of coursework at Delaware Valley

College and must complete the program's entire summer internship requirement. An Equine Studies program fee is assessed to support the specialized costs of this program.**

Due to the physical requirements of the program and emphasis upon practical skills acquisition, a moderate degree of physical fitness and personal discipline is expected of all enrolled students for reasons of safety and preparedness. To perform stable chores students must be capable of lifting 40-50 pounds.

Prior riding and horse handling experience is required. Students should be capable of cantering a strange horse in a group of riders, and must submit a professional reference from a work or volunteer position.

**\$750 per semester

Recommended Course Sequences

Associate of Science Degree and Bachelor of Science Degree - Freshman Year

First Semester

Course No.	Course Title	Credits	Hours
EN 1101	English I or		
EN 1111	Advanced English I	3	(3-0)
ES 1101	Stable Management	3	(3-2)
ES 1102	Introduction to Equine Skills I	2	(2-0)
ES 1106	Introduction to Equine Skills Practicum I	2	(0-5)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
BY 1115	Natural Science I	3	(3-0)
		15	

January Term/Summer Session

ES 2304	Internship I (6 weeks)	3	
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Second Semester

IT 1011	Information Technology Concepts	1.5	(1.5-0)
IT 1012	Computer Applications	1.5	(1.5-0)
EN 1201	English II or		
EN 1211	Advanced English II	3	(3-0)
ES 1204	Introduction to Equine Skills II	2	(2-0)
ES 1208	Introduction to Equine Skills Practicum II	2	(0-5)
ES 1202	Equine Health Management	3	(3-0)
ES 1205	Equestrian Event Mgt.	1	(1-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
		16	

**Associate of Science Degree
Sophomore Year**

First Semester

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>
BA 1005	Introduction to Business	3	(3-0)
EN 2226	Business Communications	3	(3-0)
ES 2111	Horse Show Management	1	(1-0)
ES 2107	Equine Nutrition & Feeding	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
LA 4038	Cultural Enrichment	1	
PE 2011	First Aid and Cardio-pulmonary Resuscitation	2	(2-0)
		15	

Second Semester

BA 2225	Accounting Fundamentals	3	(3-0)
LA 2036	Introduction to Psychology	3	(3-0)
ES 4219	Horse Breeding Management	3	(2-3)
ES 2210	Driving the Single Horse	2	(1-2)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
	Elective	3	
		16	

Summer Session

ES 2305	Internship II (6 weeks)	1	
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**Bachelor of Science Degree
Sophomore Year**

First Semester

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>
BA 1005	Introduction to Business	3	(3-0)
EN 2226	Business Communications	3	(3-0)
ES 2111	Horse Show Management	1	(1-0)
ES 2107	Equine Nutrition & Feeding	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
PE 2011	First Aid and CPR	2	(2-0)
MP 1102	College Algebra	3	(3-0)
		17	

Second Semester

BY 1216	Natural Science II	3	(3-0)
BA 2225	Accounting Fundamentals	3	(3-0)
LA 2036	Introduction to Psychology	3	(3-0)
ES 2210	Driving the Single Horse	2	(1-2)
ES 4219	Horse Breeding Mgt.	3	(2-3)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
LA 4038	Cultural Enrichment	1	
		17	

Summer Session

ES 2305	Internship II (6 weeks)	1	
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**Equibusiness Track
Junior Year**

First Semester

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>
LA 3032	American History and Government Since 1933	3	(3-0)
LA 2005	Speech	3	(3-0)
BA 4233	Personal Finance	3	(3-0)
BA 2161	Business Law I	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
	Elective	2	
		16	

Second Semester

MP 1203	Elementary Functions	3	(3-0)
BA 2008	Macroeconomics	3	(3-0)
BA 2017	Principles of Marketing	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
ES 3217	Equine Anatomy & Physiology	3	(3-0)
	Elective	3	

Summer Session

ES 2305	Internship II (6 weeks)	1	
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Summer Session

ES 3306	Internship III (10 weeks)	2	
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Senior Year

First Semester

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Hours</u>
LA 2040	Modern History of Western Societies	3	(3-0)
EN 2028	Introduction to Literature	3	(3-0)
BA 3141	Small Business Mgt.	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
	Electives	6	
		17	

Second Semester

LA 1060	Introduction to the Arts	3	(3-0)
LA 4037	Non-Western Societies	3	(3-0)
ES 2032-			
ES 2043	Riding Skills	2	(0-4)
ES 4222	Equine Business Management	3	(3-0)
	Electives	5	
		16	

Equine Training Track* Junior Year

Course No.	Course Title	Credits	Hours
BA 2008	Macroeconomics	3	(3-0)
LA 3032	American History and Government Since 1933	3	(3-0)
ES 3218	Introduction to Equine Instruction	3	(2-2)
ES 4018	Training and Conditioning	3	(2-2)
ES 2032-			
ES 2043	Riding Skills Elective	2	(0-4)
		2	
		16	

Second Semester

MP 1203	Elementary Functions	3	(3-0)
LA 2005	Speech	3	(3-0)
ES 3217	Equine Anatomy and Physiology	3	(3-0)
ES 3210	Teaching Techniques	3	(1-4)
ES 2032-			
ES 2043	Riding Skills Elective	2	(0-4)
		3	
		17	

Summer Session

ES 3306	Internship III	2	
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Senior Year

First Semester

Course No.	Course Title	Credits	Hours
BA 3028	Supervision and Management	3	(3-0)
LA 4037	Non-Western Societies	3	(3-0)
LA 2040	Modern History of Western Societies	3	(3-0)
ES 3123	Intermediate Driving	2	(1-2)
ES 2032-			
ES 2043	Riding Skills Electives	2	(0-4)
		3	
		17	

Second Semester

LA 1060	Introduction to the Arts	3	(3-0)
EN 2028	Introduction to Literature	3	(3-0)
ES 4222	Equine Business Mgt.	3	(3-0)
ES 2032-			
ES 2043	Riding Skills Electives	2	(0-4)
		5	
		16	

*To be declared a Training Track major, the student must have successfully completed the Riding Skills classes ES 2035 Basic Schooling and ES 2037 Principles of Jumping.

Equine Studies Exchange Program

Selected juniors in Equine Studies have the opportunity to participate in a one semester exchange program at Hartpury College, Gloucestershire, Great Britain. Selected students will have met specific requirements in regard to course prerequisites, grade point average and riding level.

Students will have the opportunity to undertake British Horse Society Certification exams, practice cross-country riding skills, participate in advanced horse production experiences, and observe therapy and rehabilitation activities being undertaken at the on-site Vet Centre.

Course Descriptions

ES 1101 Stable Management

An introductory level course designed to emphasize the management and practical care of equine facilities and horses. Topics include stable design, pasture management, preventive health care, basic first aid, nutrient requirements, feed quality and storage, financial considerations, and personnel management. Required management participation involves time commitments in addition to regularly scheduled class hours. 3 hours Lecture and 2 hours Laboratory—3 credits

ES 1102 Introduction to Equine Skills I

This introductory level course covers the history and use of the horse along with the history of equitation. Students will study many of the modern breeds and their uses. The class will examine the state of the horse industry today and trends to expect in the future. 2 hours Lecture—2 credits

ES 1106 Introduction to Equine Skills Practicum I*

To be taken in conjunction with ES 1102. Students will take part in Equestrian Center operations, acquiring basic skills in stable management and facility maintenance. An integral part of this course is the development of a solid work ethic and teamwork skills. Students will be formally evaluated in these areas twice per semester. Each student will be assigned a horse for whose care they are responsible outside of regularly scheduled stable crew hours. Inspections will chart the students conscientiousness and progress in all facets of horse care. Essential horsekeeping skills will be practiced and tested. This course incorporates the British Horse Society curriculum for practical management skills and theory for Stages I and II. 5 hours Laboratory—2 credits

ES 1202 Equine Health Management

The common infectious and non-infectious equine diseases, parasitism, lameness, and first aid are discussed in detail. Emphasis is placed on detection and early treatment of equine ailments. 3 hours Lecture—3 credits

ES 1204 Introduction to Equine Skills II

This course provides an overview of horse psychology, conformation and movement, functional anatomy, and genetics. The class will study various equestrian disciplines with respect to their history, governing organizations, celebrated individuals, and current popularity. 2 hours Lecture—2 credits

ES1205 Equestrian Event Management

This course is designed to provide the future equine professional with the tools necessary to organize equine events, such as horse shows and clinics. Major topics include planning, financing, insurance, and advertising. Required activities outside of regularly scheduled class hours will be assigned. Students will assist in the planning and staging of Equestrian Center activities. 1 hour Lecture—1 credit

ES 1208 Introduction to Equine Skills Practicum II*

A continuation of ES 1106, to be taken in conjunction with ES1204. 5 hours Laboratory—2 credits

ES 2107 Equine Nutrition and Feeding

The unique digestive anatomy and physiology of the horse are emphasized. The common roughage, concentrates, and commercial feeds used in the industry are discussed along with design of feeding programs to meet the needs of various groups of horses. 3 hours Lecture—3 credits

ES 2111 Horse Show Management

The principles taught in this course are utilized to plan and present the annual Delaware Valley College Horse Show, as well as clinics and other equine activities. Project activities outside of regularly scheduled class hours will be assigned. 1 hour Lecture—1 credit

ES 2118 Equine Massage and Therapy

Material will be presented on massage techniques and applicable muscle physiology. Students will gain an understanding of equine anatomy, learn how to perceive reactive areas, plan remedial work, and practice various massage techniques on horses in the Equestrian Center. Adjunctive therapies will be introduced. 2 hours Lecture and 1 hour Laboratory—2 credits

ES 2210 Driving the Single Horse*

Students learn the basics of driving through use of the rein board, long reining, and driving experienced horses put to sturdy vehicles. Safety and correct driving techniques are stressed. Knowledge of harness function and fit is emphasized. 1 hour Lecture and 2 hours Laboratory—2 credits

ES 3123 Intermediate Driving*

This course is a continuation of Driving the Single Horse. Students will sharpen their skills by further work on the rein board and increased driving time. They will work with horses in various stages of training and have the opportunity to drive horses from other driving disciplines. 1 hour Lecture and 2 hours Laboratory—2 credits

ES 3210 Teaching Techniques*

In this course, students will build upon the foundation gained in Introduction to Equine Instruction. Lectures will focus upon effective lesson planning and execution. Students will be exposed to alternative schools of thought, teaching methods, and instruction techniques. During the lab portion of the course, each student will execute their lesson plans under the supervision of the course instructor. Prerequisite: Introduction to Equine Instruction. 1 hour Lecture and 4 hours Laboratory—3 credits

ES 3217 Equine Anatomy and Physiology

This course is designed to acquaint the student with the anatomy and physiology of the horse. Special emphasis is placed on the anatomical and physiological conditions of the performance horse. 3 hours Lecture—3 credits

ES 3218 Introduction to Equine Instruction*

This course is designed to prepare potential riding instructors, introducing fundamentals of teaching in regard to teaching philosophy, learning psychology, riding theory, and powers of instruction. Practice teaching will be included. Labs are designed to prepare students for CHA and BHS Instructor Certifications. Required observations outside of regularly scheduled class hours will be assigned. Prerequisite: Basic Schooling & Principles of Jumping. 2 hours Lecture & 2 hours Laboratory—3 credits

ES 3221 Judging and Course Design

An intermediate level course which provides a basic understanding of judging both horse and rider performance. Students will compare and contrast judging criteria and scoring systems for hunters, jumpers, eventing, and dressage performance divisions, as well as for hunter and dressage breeding divisions. Offered in Spring Semester of even numbered years. 2 hours Lecture—2 credits

ES 4000 Selected Topics in Equine Studies

Special projects designed to meet individual needs of senior students in specialized fields within equine studies. Projects will be arranged with a department faculty member and the approval of the Department Chairperson. Prerequisite: Permission of Program Director. 3 hours of effort per week per credit—limited to 2 credits

ES 4018 Training and Conditioning*

This course begins with an exploration of the horse's nature and learning mechanisms with particular reference to their governing influence upon training philosophy and methodology. Emphasis is placed upon working horses from the ground as opposed to riding theory. Students will relate classical training principles endemic to all sport horse disciplines. Topics to be discussed will include longeing techniques and use of various auxiliary equipment, starting the young horse, long reining and work-in-hand, dealing with the problem horse, therapeutic options to maximize the sport horse's performance capabilities, and conditioning theory and approaches. 2 hours Lecture and 2 hours Laboratory—3 credits

ES 4219 Horse Breeding Management

A course designed to acquaint the student with the operation of a horse breeding farm. Teasing, breeding, foaling, mare and stallion care, and foal care are emphasized. Students manage the college's breeding facility. Required management participation involves time commitments, in addition to regularly scheduled class hours. 2 hours Lecture and 3 hours Laboratory—3 credits

ES 4222 Equine Business Management

This senior level course requires the student to draw upon previous equine and academic courses, as well as their personal experiences. Topics covered in this course include proper documentation and record-keeping, facility design, operation, and management, insurance and risk management, marketing and advertising, financing, tax planning, and the law as it applies to the horse industry. Throughout this course students will research and develop a comprehensive business plan for an equine venture of their choice. 3 hours Lecture—3 credits

ES 5000 Hartpur Exchange*

A semester exchange with Hartpur College in Gloucestershire, England for qualified Junior and Senior Equine Studies Majors. Students will pursue modules in pertinent areas selected in consultation with program advisors. Optional modules may include: Equitation, Grassland Management, Equine Therapy, Equine Behavior and Psychology, Stud Management, and Applied Equine Nutrition. Students will have the opportunity to undertake British Horse Society examinations. Spring Semester. Prerequisites: Intermediate Dressage, Principles of Jumping, Training and Conditioning, 3.0 G.P.A. Contact department Chairperson for application procedures.

*These courses are only for Equine Studies majors.

Employment Program***ES 2304 Internship I (3 credits)****

This 6 week on-campus course, required of all incoming first year and transfer students (2 weeks in January Term, 4 weeks in Summer) is a practical course designed to test skills presented in earlier courses, and to develop new stable management and horsemanship skills. The areas of knowledge to be tested include essential skills required by most employers in the industry. This course is a unique feature of the DVC Equine Studies Program. The regular CE per credit rate is assessed for this course upon registration**. An optional meal plan is made available for those students living on campus. *(Course fee \$995 in 2003-2004)

ES 2305 Internship II (1 credit)*

A 6-week internship program which may be undertaken on-campus or off-campus, designed to broaden the students exposure to various facets of the equine industry.

ES 3306 Internship III (2 credits)*

A 10 week "externship" program undertaken off-campus at an equestrian facility, private stable, or business setting selected by the student with the approval of the Equine Studies Faculty. Students have the opportunity to "try on for fit" a selected aspect of the equine industry. Minimum work stipulations, Employer evaluation, and written report required. *These courses are only for Equine Studies majors.

Riding Skills Course Descriptions

A student is placed in a riding class according to their level of riding skill. All classes consist of practical skills application along with integrated readings correlating pertinent theory. All Riding Skills students are required to undertake written exams on theory as well as performance tests. Small class size maximizes individual attention and builds trust between student, instructor, and horse. Students are expected to care for their horse and tack before and after each lesson. Once the required 16 credits of Riding Skills are fulfilled, these courses cannot be taken as electives. Students are expected to achieve by graduation a minimum competency level of Flatwork and Gridwork I. 4 hours Laboratory—2 credits for each course

ES 2032 Fundamentals of Flatwork & Jumping I*

A course for the novice rider, establishing proper position, balance, and use of the aids, both on the flat and over cavaletti and small fences. Emphasis will be placed upon security, non-interference, and an understanding of the horse. Students will learn basic school figures.

ES 2033 Fundamentals of Flatwork & Jumping II*

For the rider who is secure on the flat, but has had little jumping experience. Flatwork skills will be strengthened, including work without stirrups. Students will gain more confidence at the canter and over a simple jump course.

ES 2034 Balanced Equitation*

An introduction to basic concepts of balanced seat equitation for all disciplines, using the principles of Centered Riding. Emphasis will be placed upon acquiring a balanced, supple position on the flat and over fences. Centered Riding techniques use body awareness and imagery to lessen tension and increase effectiveness. Instructors for this course are trained and certified in Centered Riding.

ES 2035 Basic Schooling*

An introduction to classical schooling theory for the intermediate rider. At this level emphasis will shift to influencing the horse. Concepts of contact, bending, and improving the horse's balance will be the primary focus, with students becoming acquainted with rhythm, suppleness, impulsion, and riding the horse from leg to hand. By semester's end, they should be able to maintain a consistent frame, thereby improving the horse's way of going.

ES 2036 Flatwork & Gridwork I*

Flatwork and Gridwork is an intermediate course which provides the rider the opportunity to further practice the jumping skills acquired in "Balanced Equitation" while polishing the flat work introduced in Basic Schooling. Prerequisite: Basic Schooling.

ES 2037 Principles of Jumping*

A medium level jumping course emphasizing the relationship between work on the flat and over fences. Students will progress from cavaletti exercises and jumping grids to jumping small courses. Elements of successful show ring riding will be introduced step-by-step such as riding lines, related distances, bending lines, and jumping off of turns. This course is geared towards Hunter Seat Equitation. Prerequisites: Basic Schooling, Flatwork and Gridwork I.

ES 2038 Intermediate Dressage*

A more intensive study of riding as art and as correct development of the horse. Students will be exposed to the principles of the "Training Tree," with emphasis upon developing engagement, straightness, and collection. Lateral movements will be introduced towards the end of the semester. Prerequisite: Basic Schooling.

ES 2039 Flatwork & Gridwork II*

This is a course for the high intermediate rider in which they can further practice the jumping skills acquired in "Principles of Jumping" while polishing the flat work introduced in "Intermediate Dressage". Prerequisites: Intermediate Dressage and Principles of Jumping.

ES 2040 Comparative Techniques in Jumping*

A course for the more advanced rider, comparing the riding styles and training methods necessary to prepare the horse for hunter shows, horse trials, and cross-country competitions. Introduction to cross-country jumping, riding over undulating terrain, and natural obstacles will be introduced. Students will explore conditioning techniques and pacing, and will practice more complicated jumping combinations and schooling techniques. Prerequisites: Intermediate Dressage, Flatwork and Gridwork II.

ES 2041 Advanced Methods of Training*

A course for the experienced rider focusing upon advanced techniques and gymnastic exercises designed to promote the horse's athletic development. Complex schooling patterns and two track movements will be practiced. Prerequisite: Intermediate Dressage.

ES 2042 The Alexander Technique and Horsemanship*

An intensive riding skills development course, focusing on improving the rider's posture and effectiveness. The Alexander Technique is based upon the principle that people are designed for movement. The Technique emphasizes kinesthetic awareness, postural realignment, and elimination of muscular tension. Students are taught to redirect unnecessary tension into useful energy. Application of the Technique to principles of training and to equine instruction are introduced.

ES 2043 Special Training Project*

For the advanced student, in their junior or senior year, who wishes to pursue a training or rehabilitative project with a selected horse, or who would like to train intensively for open competition. Past projects have included the Art and Etiquette of Side Saddle, Starting a Young Horse, Training and Preparing a Young Hunter, Reconditioning/Rehabilitation Project, Advanced Driving, Preparing for Novice Horse Trials. By permission only.

ES 2044 Hartpury Riding Students*

Open only to Hartpury Exchange students.

*These courses are only for Equine Studies majors.