ACADEMIC ORIENTATION PROGRAM COURSE DESCRIPTIONS 2010-2011

The complete listing of undergraduate, graduate-professional, and graduate level courses is located at *www.reg.msu.edu/Courses/search.asp.*

For information about courses offered through the Institute of Agricultural Technology, contact the Institute of Agricultural Technology in Room 120 Agriculture Hall.

COURSE NUMBERS

001-099 Non-Credit Courses

Courses with these numbers are offered by the University to permit students to make up deficiencies in previous training or to improve their facility in certain basic skills without earning credit.

For information about remedial-developmental-preparatory courses, consult the *Undergraduate Education* section of this catalog.

100-299 Undergraduate Courses

Courses with these numbers are for undergraduate students. They carry no graduate credit, although graduate students may be admitted to such courses in order to make up prerequisites or to gain a foundation for advanced courses.

For information about remedial-developmental-preparatory courses, consult the *Undergraduate Education* section of this catalog.

300-499 Advanced Undergraduate Courses

Courses with these numbers are for advanced undergraduate students. They constitute the advanced portion of an undergraduate program leading to the bachelor's degree. A graduate student may carry 400 level courses for credit upon approval of the student's major department or school. In exceptional cases, a graduate student may petition the dean of his or her college, in writing, for approval of a 300 level course for graduate credit.

VARIABLE CREDIT COURSES

For each variable credit course, the range of credits for which a student may enroll in a given semester and the maximum number of credits that a student may earn in a course with a reenrollment provision shall be specified.

COURSE LISTINGS

Α	312 Mass Transfer and Separations
В	Spring. 4(3-2) A student may earn a maximum of 8 credits in all reenrollments for this course. Interdepartmental with Biosystems Engineering.
C	P: (CHE 201 and MTH 235 or concurrently) RB: Knowledge of basic calculus. C: ECE 201 concurrently. R: Open only to students in the College of Engineering. SA: EE 200
D	Diffusion. Mass transfer coefficients. Design of counter- current separation systems, both stagewise and continuous. Distillation, absorption, extraction. Multicomponent separations.

To understand the characteristics of a course, consider each of the five categories depicted below.

Α

The course number and title and, if existent, the course number suffix (Ex: 312H or 1121). The suffixes are:

- H = Honors Course
- 1 = Type 1 Remedial-Developmental Preparatory Course
- 2 = Type 2 Remedial-Developmental Preparatory Course
- 3 = Type 3 Remedial-Developmental Preparatory Course
- 4 = Type 4 Remedial-Developmental Preparatory Course
- 5 = Type 5 Remedial-Developmental Preparatory Course

For additional information about **remedial–developmental–preparatory courses**, consult the *Academic Programs* section of the catalog.

The designation code for a **Tier II writing course** in parentheses following the course title. For additional information, refer to the statement on Writing Requirement in the *Academic Programs* section of catalog.

(W) - Tier II writing course

The diversity designation code for an **Integrative Studies** course in parentheses following the title. For additional information, refer to Integrative Studies in the *Academic Programs* section of the catalog.

- (I) international and multicultural diversity
- (N) national diversity
- (D) national diversity, and international and multi cultural diversity

Information about the semester of offering, credits and instructional model, reenrollment provision, and interdepartmental status.

The semester(s) the course is authorized to be given is identified. Lack of staff or low student enrollment may preclude offering the course every semester for which it is authorized.

The semester credits are designated to include class-hours-a week 4(3-2) where:

- 4 = Number of semester credits.
- 3 = Number of class hours a week in lecture/recitation/discussion.
- 2 = Number of class hours a week in a laboratory.

If the credit is indicated to be variable, the number of credits is to be determined at the time of enrollment. If the course is a non-credit course, the credit-equivalent is given in brackets.

Reenrollment provision is identified.

Interdepartmental course status is identified.

Information about prior academic preparation and student access to the course.

С

- P: Prerequisite = a course to be completed either prior to, or concurrently with, another course. A prerequisite is identified by course subject code and number. The course subject codes and corresponding names are listed on the following pages. When a student tries to enroll the Student Information System (SIS) will verify that the prerequisite is fulfilled.
- RB: Recommended Background = prior academic work, experience, or other qualifications that are recommended, but not required, and which will *not* be monitored (either in SIS or by the unit). Recommended work may provide some background that will be helpful and faculty want to signal that to potential enrollees. Such background is not essential to success in the course, nor can faculty assume that students who enroll will have such knowledge.
- C: Corequisite = a course that must be completed concurrently with another course. A corequisite is identified by course subject code and number. The course subject codes and corresponding names are listed on the following pages.
- R: Restriction = a limitation on student access to the course. For example, a course may be available only to juniors and seniors, or to students in a specified major, department, or college.
- SA: Semester Alias = a course identified as the equivalent of another course.

A student who is unsure of eligibility for enrolling in a course should contact the department, school, or college that administers the course.

D A brief description of the course.

В

COURSE DESIGNATIONS

Throughout the programs of study given in this section, courses are identified either by course subject codes, course numbers, and course titles (example: CSE 101 Computing Concepts and Competencies) or by course names and course numbers (example: Computer Science and Engineering 101).

Additional information about specific courses may be found in the Course Descriptions section of the catalog or in its frequently updated online version available at: www.reg.msu.edu/Courses.

To assist in locating information about specific courses in the Course Descriptions, the course subject codes are listed below in alphabetical order. For each subject code, the corresponding name is given.

SUBJECT CODES

ABM Agribusiness Management ACC Accounting ACR Community, Agriculture, Recreation at	nd Resource
Studies ADV Advertising	
AE Agricultural Engineering AEC Agricultural Economics AEE Agriculture and Natural Resources Ed and Communication Systems	lucation
AFR African Languages	
AL Arts and Letters	
AMS American Studies	
ANP Anthropology	
ANR Agriculture and Natural Resources	
ANS Animal Science	
ANTR Human Anatomy	
ANTV Veterinary Anatomy	
ARB Arabic	
AS Aerospace Studies	
ASN Asian Languages	
AST Astronomy and Astrophysics AT Institute of Agricultural Technology	
ATD Apparel and Textile Design	
ATM Agricultural Technology and Systems	Management
BE Biosystems Engineering	Management
BLD Biomedical Laboratory Diagnostics	
BMB Biochemistry and Molecular Biology	
BME Biomedical Engineering	
BS Biological Science	
CAS Communication Arts and Sciences	
CE Civil Engineering	
CEM Chemistry	
CEP Counseling, Educational Psychology a	and
Special Education	
CHE Chemical Engineering	
CHS Chinese	
CJ Criminal Justice	
CLA Classical Studies CLS Chicano/Latino Studies	
CMB Cell and Molecular Biology	
CMBA Corporate MBA Program	
CMP Construction Management Program	
COM Communication	
CSD Communicative Sciences and Disorde	ers
CSE Computer Science and Engineering	
CSS Crop and Soil Sciences	
DAN Dance	
EAD Educational Administration	
EC Economics	
ECE Electrical and Computer Engineering	

ED	Education
EEP	Environmental Economics and Policy
EGR	Engineering
EMB	Executive MBA
ENE	Environmental Engineering
ENG	English
ENT	Entomology
EPI	Epidemiology
ES	Earth Science
ESA	Environmental Studies and Agriscience
ESL	English as a Second Language
ESP	Environmental Science and Policy
FCM FI	Family and Community Medicine Finance
FIM	Food Industry Management
FMP	Family Medicine
FOR	Forestry
FRN	French
FRS	Forensic Science
FSC	Food Science
FW	Fisheries and Wildlife
GBL	General Business and Business Law
GEN	Genetics
GEO	Geography
GLG	Geological Sciences
GRK	Greek
GRM	German
GSAH	Global Studies in the Arts and Humanities
GUSP	Global Urban Studies Program
HA HB	History of Art
HDFS	Hospitality Business Human Development and Family Studies
HEB	Hebrew
HED	Human Environment and Design
HM	Human Medicine
HNF	Human Nutrition and Foods
HRT	Horticulture
HST	History
IAH	Integrative Studies in Arts and Humanities
IDES	Interior Design
IM	Internal Medicine
ISB	Integrative Studies in Biological Sciences
ISP	Integrative Studies in Physical Sciences
ISS	Integrative Studies in Social, Behavioral and
ITL	Economic Sciences Italian
ITM	
JPN	Information Technology Management Japanese
JRN	Journalism
KIN	Kinesiology
LA	Landscape Architecture
LAW	MSU College of Law
LB	Lyman Briggs
LCS	Large Animal Clinical Sciences
LIN	Linguistics
LIR	Labor and Industrial Relations
LL	Linguistics and Languages
LLT	Language, Learning and Teaching
LTN	Latin
MBA	Master of Business Administration
MC ME	James Madison College
MED	Mechanical Engineering Medicine
MGT	Management
MKT	Marketing
MMG	Microbiology and Molecular Genetics
MS	Military Science
	,

MTHMathematicsQBQuantitative BiologyMUSMusicRADRadiologyNEUNeuroscienceRCAHResidential College in the Arts and HumanitieNOPNeurology and OphthalmologyRDResource DevelopmentNSCNatural ScienceRELReligious StudiesNURNursingRETRetailingOGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTTStudio ArtPHMPharmacology and ToxicologySTTStudio ArtPHMPharmacology and ToxicologyTETeacher EducationPKGPackagingTCTelecommunicationPLBPlant BiologyTHTheatrePLBPlant PathologyTHTheatrePLPPlant PathologyTHTheatrePLPPlant BiologyTHTheatrePLPPlant PologyTHTheatrePRRPark, Recreation and Resources<	MSE	Materials Science and Engineering	PSY	Psychology
NEUNeuroscienceRCAHResidential College in the Arts and HumanitieNOPNeurology and OphthalmologyRDResource DevelopmentNSCNatural ScienceRELReligious StudiesNURNursingRETRetailingOGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHTheatrePLPPlant BiologyTHRTheatrePLPPlant Medicine and RehabilitationUGSUndergraduate StudiesPHRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRRPark, Recreation and Tourism ResourcesVMAWriting, Rhetoric and American Cultures <td></td> <td></td> <td></td> <td>83</td>				83
NOPNeurology and OphthalmologyRDResource DevelopmentNSCNatural ScienceRELReligious StudiesNURNursingRETRetailingOGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRPark, Recreation and Tourism ResourcesWMWriting, Rhetoric and American CulturesPSCPsychiatryWSWormen's Studies </td <td></td> <td></td> <td></td> <td>6,</td>				6,
NSCNatural ScienceRELReligious StudiesNURNursingRETRetailingOGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSocial SciencePHDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPort, BurseeWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies				
NURNursingRETRetailingOGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWormen's Studies				•
OGRObstetrics, Gynecology, and Reproductive BiologyROMRomance LanguagesOMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies				•
OMMOsteopathic Manipulative MedicineRUSRussianOSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies		5		0
OSSOsteopathic Surgical SpecialitiesSCMSupply Chain ManagementOSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies				
OSTOsteopathic MedicineSCSSmall Animal Clinical SciencesPDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies				
PDCPlanning, Design and ConstructionSMEScience and Mathematics EducationPDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies				
PDIPathobiology and Diagnostic InvestigationSOCSociologyPEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies				
PEDPediatricsSPNSpanishPHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies				
PHDPediatrics and Human DevelopmentSSCSocial SciencePHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies	PED	·· · ·		0,
PHLPhilosophySTAStudio ArtPHMPharmacology and ToxicologySTTStatistics and ProbabilityPHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePSCPsychiatryWSWomen's Studies		Pediatrics and Human Development	SSC	Social Science
PHYPhysicsSURSurgeryPIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PHL		STA	Studio Art
PIMIntegrative ManagementSWSocial WorkPKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PHM	Pharmacology and Toxicology	STT	Statistics and Probability
PKGPackagingTCTelecommunicationPLBPlant BiologyTETeacher EducationPLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PHY	Physics	SUR	Surgery
PLBPlant BiologyTETeacher EducationPLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PIM	Integrative Management	SW	Social Work
PLPPlant PathologyTHRTheatrePLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PKG	Packaging	тс	Telecommunication
PLSPolitical ScienceTSMTechnology Systems ManagementPMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PLB	Plant Biology	TE	Teacher Education
PMRPhysical Medicine and RehabilitationUGSUndergraduate StudiesPPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies		Plant Pathology	THR	Theatre
PPLPublic PolicyUPUrban PlanningPRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies	PLS	Political Science	TSM	Technology Systems Management
PRRPark, Recreation and Tourism ResourcesVMVeterinary MedicinePRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies		Physical Medicine and Rehabilitation		
PRTPortugueseWRAWriting, Rhetoric and American CulturesPSCPsychiatryWSWomen's Studies		5	÷.	
PSC Psychiatry WS Women's Studies				
		5		
PSL Physiology ZOL Zoology	PSL	Physiology	ZOL	Zoology