

# **GEOGRAPHY - MINOR (SCIENCE)**

#### **GPHY-Z**

Subject: Administered by the Department of Geography and Planning.

Plan: Consists of 48.00 units as described below. **Program:** The Plan, in combination with a Major plan in another subject, and with sufficient electives, will lead to an Honours Bachelors Degree.

Code 1 Title Units 1. Core A. Complete 6.00 units from the following: 6.00  GPHY 101 Human Geography or BADR 10thinking Locally  and  GPHY 102 Physical Geography and Natural Resources B. Complete the following: GPHY 207 Principles Of Biogeography 3.00 GPHY 208 Surface Processes, Landforms, and Soils 3.00 GPHY 209 Weather and Climate 3.00 C. Complete the following: GPHY 247 Introduction to Statistics 3.00 D. Complete 3.00 units from the following: 3.00 GPHY 242 Remote Sensing I: Remote Sensing of the Environment GPHY 243 Geographic Information Science 2. Option A. Complete 9.00 units from the following course lists 9.00 GPHY_Physical at the 300-level or above GPHY_Tech/Methods at the 300-level or above B. Complete 6.00 units from the following course list: 6.00 GPHY_Human at the 200-level or above 3. Supporting A. Complete 6.00 units from the following: 6.00 CHEM at the 100-level or above STAT at the 100-level or above PHYS at the 100-level or above A. Additional Requirements A. Minimum of an additional 6.00 units in the physical and 5.00 natural sciences or mathematics, from ASC_Science.			
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#### 5. Notes

A. A maximum of 6.00 units from courses offered by other Faculties and Schools may be counted toward the program and/or Plan requirements. This includes courses in BMED, COMM, GLPH, HSCI, LAW, NURS, and courses in the Faculty of Engineering and Applied Science.

### **Geography Course Lists**

The following lists contain courses offered through other Departments. In accordance with Academic Regulation **2.6** (Access to Classes), students do not have enrolment priority in all of these courses. Access to these courses may only be made available during the Open Enrolment period, and then only if space permits.

### ASC\_Science

48.00

Code	Title	Units
Natural and F	Physical Science Courses	
ANAT		
ASTR		
BCHM		
BIOL		
BIOM		
BMED 384	Integrative Laboratory Course	3.00
BMED 470	Principles of 'Omics'	3.00
BMED 480	Clinical Applications of Human Anatomy	3.00
CANC		
CHEE 209	Analysis Of Process Data	3.50
CHEM		
CISC		
COGS		
COMM 162	Managerial Statistics	3.00
COMP		
CRSS		
DDHT		
ECON 250	Introduction to Statistics	3.00
ENSC 201	Environmental Toxicology and Chemical Risks	3.00
ENSC 301	Environmental Assessment	3.00
ENSC 307	Marine Environmental Issues	3.00
ENSC 320	Wildlife Issues in a Changing World	3.00
ENSC 407	Global Water Issues	3.00
ENSC 425	Ecotoxicology	3.00
ENSC 471	Environmental Analysis Methods	3.00
ENSC 480	Special Topics in Environmental Science	3.00

**Total Units** 



GEOL GLPH 472 Special Populations: Neonatal to End-of-Life-Care GPHY_Physical Course List GPHY_Tech/Methods Course List HLTH 230 Basic Human Nutrition 3.00 HLTH 331 Advanced Human Nutrition 3.00 HSCI 270 Fundamentals of Health Research Methodology KNPE 125 Introduction to Human Physiology 3.00 KNPE 153 Introductory Biomechanics 3.00 KNPE 225 Advanced Human Physiology 3.00 KNPE 227 Exercise Physiology 3.00 KNPE 251 Introduction to Statistics 3.00 KNPE 254 Biomechanical Analysis of Human Movement KNPE 255 Physical Activity, Fitness, and Health 3.00 KNPE 261 Theory of Motor Behaviour and Motor 1.00 Learning KNPE 327 Exercise Physiology Laboratory 3.00 KNPE 339 Advanced Exercise Metabolism 3.00 KNPE 339 Advanced Exercise Metabolism 3.00 KNPE 354 Occupational Biomechanics and Physical 3.00 Ergonomics KNPE 355 Lifestyle and Cardiometabolic Assessmen 8.00 Laboratory KNPE 425 Physiology of Stress 3.00 KNPE 429 Skeletal Muscle Oxygen Delivery: Demand 3.00 Matching in Exercise KNPE 439 Critical Appraisal and Translation of Muscle Physiology Research KNPE 450 Ergonomics 3.00 KNPE 450 Ergonomics 3.00 KNPE 450 Clinical Biomechanics 3.00 KNPE 450 Ergonomics 3.00 KNPE 450 Clinical Biomechanics 3.00 KNPE 450 Clinical Exercise Physiology 3.00 KNPE 450 Special Topics in Kinesiology 3.00 KNPE 451 Clinical Exercise Physiology 3.00 KNPE 452 Advanced Physical Activity and Health 3.00 KNPE 453 Special Topics in Kinesiology 3.00 KNPE 454 Clinical Exercise Physiology 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 450 Clinical Exercise Physiology 3.00 KNPE 451 Clinical Exercise Physiology 3.00 KNPE 452 Research in Nursing 3.00 KNPE 453 Advanced Physical Activity and Health 3.00 KNPE 453 Advanced Physical Activity and Health 3.00 KNPE 454 Clinical Exercise Physiology 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 453 Advanced Physical Activity and Health 3.00 KNPE 454 Clinical Biomechanics 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 450 Cl	EPID		
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Life-Care  GPHY_Physical Course List  GPHY_Tech/Methods Course List  HLTH 230 Basic Human Nutrition 3.00  HLTH 331 Advanced Human Nutrition 3.00  HSCI 270 Fundamentals of Health Research 3.00  Methodology  KNPE 125 Introduction to Human Physiology 3.00  KNPE 153 Introductory Biomechanics 3.00  KNPE 225 Advanced Human Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 251 Introduction to Statistics 3.00  KNPE 254 Biomechanical Analysis of Human Movement  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor 3.00  Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen 8.00  Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand 3.00  Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 451 Clinical Biomechanics 3.00  KNPE 452 Physiology Research  KNPE 453 Advanced Physical Activity and Health 3.00  KNPE 454 Clinical Exercise Physiology 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 450 Ergonomics 3.00  KNPE 451 Clinical Exercise Physiology 3.00  KNPE 452 Special Topics in Kinesiology 3.00  KNPE 453 Special Topics in Kinesiology 3.00  KNPE 454 Clinical Exercise Physiology 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 450 Life Special Topics in Kinesiology 3.00  KNPE 451 Clinical Exercise Physiology 3.00  KNPE 452 Research in Nursing 3.00  NURS 322 Introduction to Statistics 3.00  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00		Special Populations: Noopatal to End of	2 00
GPHY_Tech/Methods Course List  HLTH 230 Basic Human Nutrition 3.00  HLTH 331 Advanced Human Nutrition 3.00  HSCI 270 Fundamentals of Health Research 3.00  Methodology  KNPE 125 Introduction to Human Physiology 3.00  KNPE 153 Introductory Biomechanics 3.00  KNPE 225 Advanced Human Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 251 Introduction to Statistics 3.00  KNPE 254 Biomechanical Analysis of Human 3.00  Movement  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor 3.00  Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen8.00  Laboratory  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00  Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 451 Clinical Biomechanics 3.00  KNPE 452 Advanced Physical Activity and Health 3.00  KNPE 453 Special Topics in Kinesiology 3.00  KNPE 454 Clinical Exercise Physiology 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 450 Ergonomics 3.00  KNPE 451 Clinical Exercise Physiology 3.00  KNPE 452 Clinical Exercise Physiology 3.00  KNPE 453 Special Topics in Kinesiology 3.00  KNPE 454 Research in Nursing 3.00  NURS 324 Research in Nursing 3.00		Life-Care	5.00
HLTH 230 Basic Human Nutrition 3.00 HLTH 331 Advanced Human Nutrition 3.00 HSCI 270 Fundamentals of Health Research 3.00 Methodology KNPE 125 Introduction to Human Physiology 3.00 KNPE 153 Introductory Biomechanics 3.00 KNPE 225 Advanced Human Physiology 3.00 KNPE 227 Exercise Physiology 3.00 KNPE 227 Exercise Physiology 3.00 KNPE 251 Introduction to Statistics 3.00 KNPE 254 Biomechanical Analysis of Human 3.00 Movement KNPE 255 Physical Activity, Fitness, and Health 3.00 KNPE 261 Theory of Motor Behaviour and Motor 3.00 Learning KNPE 327 Exercise Physiology Laboratory 3.00 KNPE 339 Advanced Exercise Metabolism 3.00 KNPE 354 Occupational Biomechanics and Physical 3.00 Ergonomics KNPE 355 Lifestyle and Cardiometabolic Assessmen B.00 Laboratory KNPE 429 Skeletal Muscle Oxygen Delivery: Demand 3.00 Matching in Exercise KNPE 439 Critical Appraisal and Translation of 3.00 Matching in Exercise KNPE 450 Ergonomics 3.00 KNPE 451 Clinical Biomechanics 3.00 KNPE 452 Advanced Physical Activity and Health 3.00 KNPE 453 Special Topics in Kinesiology 3.00 KNPE 454 Clinical Exercise Physiology 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 450 Introduction to Statistics 3.00 KNPE 451 Clinical Exercise Physiology 3.00 KNPE 452 Research in Nursing 3.00 KNPE 453 Research in Nursing 3.00 KNPE 454 Research in Nursing 3.00	-		
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HSCI 270 Fundamentals of Health Research Methodology  KNPE 125 Introduction to Human Physiology 3.00  KNPE 153 Introductory Biomechanics 3.00  KNPE 225 Advanced Human Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 251 Introduction to Statistics 3.00  KNPE 254 Biomechanical Analysis of Human 3.00  Movement Analysis of Human 3.00  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor 3.00  Learning Learning Learning Advanced Exercise Metabolism 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics Lifestyle and Cardiometabolic Assessmen B.00  Laboratory Laboratory Belivery: Demand3.00  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00  Matching in Exercise Citical Appraisal and Translation of 3.00  Muscle Physiology Research Sergonomics 3.00  KNPE 450 Ergonomics 3.00  KNPE 451 Clinical Biomechanics 3.00  KNPE 452 Advanced Physical Activity and Health 3.00  KNPE 453 Special Topics in Kinesiology 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 450 The 451 Clinical Exercise Physiology 3.00  KNPE 452 Research in Kinesiology 3.00  KNPE 453 Research in Nursing 3.00  NURS 324 Research in Nursing 3.00			3.00
Methodology  KNPE 125 Introduction to Human Physiology 3.00  KNPE 153 Introductory Biomechanics 3.00  KNPE 225 Advanced Human Physiology 3.00  KNPE 227 Exercise Physiology 3.00  KNPE 251 Introduction to Statistics 3.00  KNPE 251 Biomechanical Analysis of Human 3.00  KNPE 254 Biomechanical Analysis of Human Movement  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor 1.00  Learning 1.00  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics 1.00  KNPE 355 Lifestyle and Cardiometabolic Assessmen 1.00  Laboratory 1.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand 3.00  Matching in Exercise 1.00  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research 1.00  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 450 Clinical Exercise Physiology 3.00  KNPE 451 Clinical Exercise Physiology 3.00  KNPE 452 Special Topics in Kinesiology 3.00  KNPE 453 Introduction to Statistics 3.00  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00	HLTH 331	Advanced Human Nutrition	3.00
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KNPE 225 Advanced Human Physiology 3.00 KNPE 227 Exercise Physiology 3.00 KNPE 251 Introduction to Statistics 3.00 KNPE 254 Biomechanical Analysis of Human Movement KNPE 255 Physical Activity, Fitness, and Health 3.00 KNPE 261 Theory of Motor Behaviour and Motor Learning KNPE 327 Exercise Physiology Laboratory 3.00 KNPE 339 Advanced Exercise Metabolism 3.00 KNPE 354 Occupational Biomechanics and Physical 3.00 Ergonomics KNPE 355 Lifestyle and Cardiometabolic Assessmen8.00 Laboratory KNPE 425 Physiology of Stress 3.00 KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00 Matching in Exercise KNPE 439 Critical Appraisal and Translation of 3.00 Muscle Physiology Research KNPE 450 Ergonomics 3.00 KNPE 454 Clinical Biomechanics 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 125	Introduction to Human Physiology	3.00
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KNPE 254 Biomechanical Analysis of Human Movement  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen8.00  Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00  Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 227	Exercise Physiology	3.00
Movement  KNPE 255 Physical Activity, Fitness, and Health 3.00  KNPE 261 Theory of Motor Behaviour and Motor 3.00     Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00     Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen8.00     Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00     Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00     Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 251	Introduction to Statistics	3.00
KNPE 261 Theory of Motor Behaviour and Motor Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen8.00  Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00  Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  PATH  PHAR	KNPE 254	•	3.00
Learning  KNPE 327 Exercise Physiology Laboratory 3.00  KNPE 339 Advanced Exercise Metabolism 3.00  KNPE 354 Occupational Biomechanics and Physical 3.00  Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen 8.00  Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand 3.00  Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00  Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 255	Physical Activity, Fitness, and Health	3.00
KNPE 339 Advanced Exercise Metabolism 3.00 KNPE 354 Occupational Biomechanics and Physical 3.00 Ergonomics KNPE 355 Lifestyle and Cardiometabolic Assessmenß.00 Laboratory KNPE 425 Physiology of Stress 3.00 KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00 Matching in Exercise KNPE 439 Critical Appraisal and Translation of 3.00 Muscle Physiology Research KNPE 450 Ergonomics 3.00 KNPE 454 Clinical Biomechanics 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 261	-	3.00
KNPE 354 Occupational Biomechanics and Physical 3.00 Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmenß.00 Laboratory  KNPE 425 Physiology of Stress 3.00 KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00 Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00 Muscle Physiology Research  KNPE 450 Ergonomics 3.00 KNPE 454 Clinical Biomechanics 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 327	Exercise Physiology Laboratory	3.00
Ergonomics  KNPE 355 Lifestyle and Cardiometabolic Assessmen®.00 Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00 Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00 Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 339	Advanced Exercise Metabolism	3.00
Laboratory  KNPE 425 Physiology of Stress 3.00  KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00     Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00     Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  PATH  PHAR	KNPE 354	•	3.00
KNPE 429 Skeletal Muscle Oxygen Delivery: Demand3.00 Matching in Exercise  KNPE 439 Critical Appraisal and Translation of 3.00 Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 355		පි.00
Matching in Exercise  KNPE 439 Critical Appraisal and Translation of Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 425	Physiology of Stress	3.00
Muscle Physiology Research  KNPE 450 Ergonomics 3.00  KNPE 454 Clinical Biomechanics 3.00  KNPE 455 Advanced Physical Activity and Health 3.00  KNPE 459 Clinical Exercise Physiology 3.00  KNPE 493 Special Topics in Kinesiology 3.00  LISC  MATH  MICR  NSCI  NURS 323 Introduction to Statistics 3.00  NURS 324 Research in Nursing 3.00  PATH  PHAR	KNPE 429		d3.00
KNPE 454 Clinical Biomechanics 3.00 KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 439	· ·	3.00
KNPE 455 Advanced Physical Activity and Health 3.00 KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 450	Ergonomics	3.00
KNPE 459 Clinical Exercise Physiology 3.00 KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 454	Clinical Biomechanics	3.00
KNPE 493 Special Topics in Kinesiology 3.00 LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 455	Advanced Physical Activity and Health	3.00
LISC MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 459	Clinical Exercise Physiology	3.00
MATH MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	KNPE 493	Special Topics in Kinesiology	3.00
MICR NSCI NURS 323 Introduction to Statistics 3.00 NURS 324 Research in Nursing 3.00 PATH PHAR	LISC		
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NURS 324 Research in Nursing 3.00 PATH PHAR	NURS 323	Introduction to Statistics	3.00
PATH PHAR		Research in Nursing	
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POLS 285	Introduction to Statistics	3.00
PSYC 100	Principles of Psychology	6.00
PSYC 101	Principles of Psychology I	3.00
PSYC 102	Principles of Psychology II	3.00
PSYC 103	Principles of Psychology III	3.00
PSYC 202	Statistics in Psychology	3.00
PSYC 203	Research Methods in Psychology	3.00
PSYC 221	Cognitive Psychology	3.00
PSYC 271	Brain and Behaviour I	3.00
PSYC 299	Introduction to Directed Research in Psychology	3.00
PSYC 301	Advanced Statistical Inference	3.00
PSYC 302	Advanced Research Methods	3.00
PSYC 450	Advanced Topics in Developmental Psychology	3.00
PSYC_Cognitive	Course List	
PSYC_Behaviou	ralNeuroscience Course List	
REPD		
SOCY 210	Social Research Methods	3.00
SOCY 211	Introduction to Statistics	3.00
SOFT		
STAM		
STAT		

## **GPHY\_Human**

Code	Title	Units
Human Geog	raphy	
GPHY 101	Human Geography	3.00
GPHY 227	Cities: Geography, Planning and Urban	Life.00
GPHY 228	Geographies of the Global Political Economy	3.00
GPHY 229	Place, Space, Culture and Social Life	3.00
GPHY 230	Introduction to Urban and Regional Planning	3.00
GPHY 250	The Geography of Canada	3.00
GPHY 254	The Caribbean in Globalizing World	3.00
GPHY 257	The Geography of Middle America	3.00
GPHY 258	The Geography of South America	3.00
GPHY 309	Field School in Geography	3.00
GPHY 319	Contemporary Energy Resources	3.00
GPHY 320	Energy and Society	3.00
GPHY 325	Maps and Society	3.00
GPHY 327	The Geographical Imagination	3.00
GPHY 330	Transportation Geography	3.00
GPHY 332	Cities and Planning for Sustainable Development	3.00



GPHY 333	Markets, Environments and Societies	3.00	GPHY 317	Soil, Environment, and Society	3.00
GPHY 334	Geographies of Growth and Decline	3.00	GPHY 318	Advanced Biogeography	3.00
GPHY 336	Geography, the Environment and Humar	3.00	GPHY 319	Contemporary Energy Resources	3.00
	Health		GPHY 320	Energy and Society	3.00
<b>GPHY 337</b>	Regional Development and Planning	3.00	GPHY 371	Special Topics in Earth System Science	3.00
GPHY 338	Urban Political Geography	3.00	GPHY 413	Water, Energy and Carbon Cycling in the	3.00
GPHY 339	Medical Geography	3.00		Biosphere	
GPHY 351	Geographies of Indigenous and Settler Relations	3.00	GPHY 415	Advanced Analysis of Earth Surface Processes	6.00
GPHY 352	Gender and the City	3.00	GPHY 417	Land-Use Change in the Earth System	3.00
GPHY 362	Human Migration	3.00	GPHY 501	Special Studies in Geography	3.00
GPHY 365	Geography, Development, and	3.00	GPHY 502	Research and Thesis in Geography I	3.00
	Environment in the 'Third World'		GPHY 503	Research and Thesis Geography II	6.00
GPHY 368	Environments and Society	3.00	CDUV Toc	h/Mathada	
GPHY 369	Urban Natures	3.00	_	h/Methods	
GPHY 370	Special Topics in Human Geography	3.00	Code	Title	Units
GPHY 401	Honours Seminar in Human Geography	3.00	-	Research Methods and Geographic	
GPHY 402	Honours Seminar in Human Geography	13.00	Information		2.00
GPHY 403	Honours Seminar in Human Geography	113.00	GPHY 105	The Digital Earth: Geospatial Data and Earth Observation	3.00
GPHY 501	Special Studies in Geography	3.00	GPHY 240	Introduction to Qualitative Methods in	3.00
GPHY 502	Research and Thesis in Geography I	3.00	GI III 240	Geography	5.00
GPHY 503	Research and Thesis Geography II	6.00	GPHY 242	Remote Sensing I: Remote Sensing of th	e 3.00
IDIS 302	Race and Racism	3.00		Environment	
GPHY_Phy	rsical		GPHY 243	Geographic Information Science	3.00
Code		Units	GPHY 247	Introduction to Statistics	3.00
Physical Geo		Omes	GPHY 315	Advanced Field Measurements and Thei	r 3.00
GPHY 102	Physical Geography and Natural	3.00		Analysis	
0.11.102		3.00			
	Resources		GPHY 341	Photogrammetry	3.00
GPHY 203	Water Resources and Management	3.00	GPHY 341 GPHY 342	Remote Sensing II: Digital Image	3.00 3.00
GPHY 203 GPHY 204		3.00	GPHY 342	Remote Sensing II: Digital Image Processing	3.00
	Water Resources and Management			Remote Sensing II: Digital Image Processing Applications for Geospatial Technology f	3.00
GPHY 204	Water Resources and Management Forests as a Global Resource	3.00 3.00	GPHY 342 GPHY 343	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology 1 Business	00.8o
GPHY 204 GPHY 207	Water Resources and Management Forests as a Global Resource Principles Of Biogeography	3.00 3.00	GPHY 342 GPHY 343 GPHY 344	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology f Business Cartography and Computer Aided Desig	3.00 foß.00 n 3.00
GPHY 204 GPHY 207 GPHY 208	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils	3.00 3.00 3.00	GPHY 342 GPHY 343 GPHY 344 GPHY 345	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology f Business Cartography and Computer Aided Desig Spatial Analysis	3.00 Foß.00 n 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate	3.00 3.00 3.00 3.00	GPHY 342 GPHY 343 GPHY 344	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology f Business Cartography and Computer Aided Desig Spatial Analysis GIS and Modelling for Environmental	3.00 foß.00 n 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments	3.00 3.00 3.00 3.00 3.00	GPHY 342 GPHY 343 GPHY 344 GPHY 345 GPHY 346	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology f Business Cartography and Computer Aided Desig Spatial Analysis GIS and Modelling for Environmental Applications	3.00 foß.00 n 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography	3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology for Business Cartography and Computer Aided Design Spatial Analysis GIS and Modelling for Environmental Applications Multivariate and Spatial Statistics	3.00 foß.00 n 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science	3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342 GPHY 343 GPHY 344 GPHY 345 GPHY 346	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology for Business Cartography and Computer Aided Design Spatial Analysis GIS and Modelling for Environmental Applications	3.00 foß.00 n 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305 GPHY 306	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science Natural Environmental Change	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347	Remote Sensing II: Digital Image Processing  Applications for Geospatial Technology of Business  Cartography and Computer Aided Designs Spatial Analysis  GIS and Modelling for Environmental Applications  Multivariate and Spatial Statistics  Application Design and Customization in	3.00 foß.00 n 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305 GPHY 306 GPHY 309	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science Natural Environmental Change Field School in Geography	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347  GPHY 348	Remote Sensing II: Digital Image Processing  Applications for Geospatial Technology for Business  Cartography and Computer Aided Designs Spatial Analysis  GIS and Modelling for Environmental Applications  Multivariate and Spatial Statistics  Application Design and Customization in GIS	3.00 foß.00 n 3.00 3.00 3.00 3.00 n 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305 GPHY 306 GPHY 309 GPHY 310	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science Natural Environmental Change Field School in Geography Landscape Ecology	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347  GPHY 348  GPHY 349	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology for Business Cartography and Computer Aided Designs Spatial Analysis GIS and Modelling for Environmental Applications Multivariate and Spatial Statistics Application Design and Customization in GIS GIScience and Public Health	3.00 foß.00 n 3.00 3.00 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305 GPHY 306 GPHY 309 GPHY 310 GPHY 311	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science Natural Environmental Change Field School in Geography Landscape Ecology Biogeochemical Processes	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347  GPHY 348  GPHY 349	Remote Sensing II: Digital Image Processing Applications for Geospatial Technology for Business Cartography and Computer Aided Designs Spatial Analysis GIS and Modelling for Environmental Applications Multivariate and Spatial Statistics Application Design and Customization in GIS GIScience and Public Health Special Topics Geographic Information	3.00 foß.00 n 3.00 3.00 3.00 3.00 3.00
GPHY 204 GPHY 207 GPHY 208 GPHY 209 GPHY 215 GPHY 304 GPHY 305 GPHY 306 GPHY 309 GPHY 310 GPHY 311 GPHY 312	Water Resources and Management Forests as a Global Resource Principles Of Biogeography Surface Processes, Landforms, and Soils Weather and Climate Field Studies in Physical Geography Northern and Arctic Environments Applied Cold Regions Science Natural Environmental Change Field School in Geography Landscape Ecology Biogeochemical Processes Watershed Hydrology	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	GPHY 342  GPHY 343  GPHY 344  GPHY 345  GPHY 346  GPHY 347  GPHY 348  GPHY 349  GPHY 372	Remote Sensing II: Digital Image Processing  Applications for Geospatial Technology of Business  Cartography and Computer Aided Designs Spatial Analysis  GIS and Modelling for Environmental Applications  Multivariate and Spatial Statistics  Application Design and Customization in GIS  GIScience and Public Health  Special Topics Geographic Information Science	3.00 foß.00 n 3.00 3.00 3.00 n 3.00 3.00 3.00

**GPHY 503** 

Analysis

Advanced Field Measurements and Their 3.00

**GPHY 315** 

Research and Thesis Geography II

6.00