

## Psychology Major Tracking Sheet

### AB Requirements

Eleven (11) courses in psychology are required for the major. The major is devised to provide breadth and depth, a small group course in psychology, and familiarity with the quantitative techniques and research methods used in the field.

- I. **Breadth:** Psychology 101, at least 2 survey courses that cover major areas of the field, quantitative techniques, and research methods.
- PSY 101 or**  AP or IPC credit (per Trinity guidelines; 11 additional courses are required if AP or IPC credit received)
- 2 Survey Courses in the following areas:**
- Survey Course in the Biological (B  106/107) or Cognitive (C  102) Area
- Survey Course in the Abnormal/Health (A  105), Developmental (D  103), or Social (S  104) Area
- II. **Depth:** See *Courses Listed by Area of Depth*; can include 1 independent study course: 393, 394, 493, or 494. At least 3 courses in 2 areas where a survey course was completed. At least 1 course beyond the survey level must be in the Biological or Cognitive area and at least 1 course beyond the survey level must be in the Abnormal/Health, Developmental, or Social area.
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_ (Area:  A  B  C  D  S)
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_ (Area:  A  B  C  D  S)
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_ (Area:  A  B  C  D  S)
- III. **Instruction in Small Groups:** At least 1 seminar. It is recommended that the seminar be taken in an area where a survey course was completed.
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_ (Area:  A  B  C  D  S)
- IV. **Quantitative Techniques (take before research methods):**
- PSY 201/201L or 1 of the following:  STA 101  STA 102  STA 104  STA 111  STA 250  MATH 342
- V. **Research Methods (take after quantitative techniques):**
- PSY 202 or  PSY 302-315 series, Course #: \_\_\_\_\_ Title: \_\_\_\_\_
- VI. **Additional Electives to bring total to 11 courses:** Of the 11 courses required for the major, at least 9 must be taken at Duke; others, if approved, may count toward the 34 credits needed for graduation but will not count toward the major. At most, only 1 independent study course (393, 394, 493, or 494) may count toward the depth requirement and only 2 may count for the major.
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_
- Additional course if AP or IPC credit was earned for PSY 101, Course #: \_\_\_\_\_ Title: \_\_\_\_\_

### BS Additional Requirements:

The BS degree requires completion of all requirements for the AB degree plus additional courses in the quantitative studies (QS) and natural sciences (NS).

- VII. **Additional Quantitative Studies (QS):** \*Psychology 201/201L, the statistics class in psychology, will not enable students to enroll in Statistical Science 210 or 340, and students should review the Statistical Science website for the prerequisites for these classes.
- MATH 22  MATH 112  MATH 122  STA 210\* or  STA 340\*
- VIII. **Two (2) required NS courses in psychology:** Can count towards the courses required for the AB degree, or if not used to meet AB requirements, toward the 5 NS elective classes required for the BS degree.
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_
- Course #: \_\_\_\_\_ Title: \_\_\_\_\_
- IX. **Natural Sciences (NS) Electives:** 5 elective courses from an approved list (see *Natural Sciences Elective Options*) that meet the following criteria: (a) classes come from at least two external departments, and (b) at least 3 of the 5 are at or above the 200 level. Courses cross-listed with psychology and another department do not count as a second department.
- Course Departmental Prefix and #: \_\_\_\_\_ Title: \_\_\_\_\_
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- Course Departmental Prefix and #: \_\_\_\_\_ Title: \_\_\_\_\_

## Courses Listed by Area of Depth (revised 10/13/17)

The following is a list of PSY courses by area of depth. Some courses will appear multiple times due to overlapping course content. Not every course is offered each semester; check the course schedule for current listings.

### General Courses (No Depth Area)

| Course # | Course Title  | Course # | Course Title   |
|----------|---|----------|--|
| 89S      | First-Year Seminars <sup>1</sup>                        | 290      | Special Topics in Psychology – Lecture <sup>8</sup>    |
| 101      | Introductory Psychology <sup>NS</sup>                   | 290S     | Special Topics in Psychology – Seminar <sup>4, 8</sup> |
| 155FS    | Vision <sup>1,3, NS</sup>                               | 390S     | Special Topics in Psychology <sup>8</sup>              |
| 185FS    | Decoding Human Behavior <sup>1,3</sup>                  | 393-394  | Research Independent Study <sup>2, 5, 8</sup>          |
| 190FS    | Focus - Special Topics Seminars <sup>1,3</sup>          | 493-494  | Research Independent Study <sup>2, 6, 8</sup>          |
| 193FS    | Neurobiology of Mind <sup>1,3, NS</sup>                 | 490S     | Special Topics in Psychology <sup>8</sup>              |
| 201L     | Introduction to Statistical Methods in Psychology       | 496      | Distinction Thesis Workshop <sup>7</sup>               |
| 202      | Research Methods in Psychological Science <sup>RM</sup> | 590      | Special Topics in Psychology <sup>8</sup>              |
| 203      | Practicum <sup>1</sup>                                  | 690S     | Special Topics in Psychology <sup>8</sup>              |

<sup>1</sup>Course does not count toward the AB

<sup>2</sup>Students may count one independent study course toward a depth area

<sup>3</sup>Open to students in the Focus Program only

<sup>4</sup>Does not fulfill the seminar requirement for the major

<sup>5</sup>Junior year or earlier

<sup>6</sup>Senior year

<sup>7</sup>Graduation with distinction

<sup>8</sup>Depth area dictated by course content

<sup>NS</sup>Natural Sciences Elective

<sup>RM</sup>Research Methods Requirement

### Abnormal/Health Area (A)

| Course # | Course Title  | Course # | Course Title   |
|----------|---|----------|--|
| 105      | Abnormal Psychology   | 410S     | Community Based Prevention Intervention Research                                       |
| 205      | Health Psychology and Behavior Change                               | 411S     | Disorders of Anxiety   |
| 206      | Alcohol: Brain, Individual, and Society <sup>NS</sup>               | 412S     | Psychology of Criminal Behavior  |
| 207      | Child Clinical Psychology   | 436S     | Clinical Interventions with Children and Families                                      |
| 208      | Behavioral Aspects of Health  | 450S     | The Psychology of Trauma and Memory  |
| 209      | Stress and Coping   | 471S     | Reward and Addiction <sup>NS</sup>   |
| 211      | The Psychology of Health Behavior Change                            | 473S     | The Neurobiology of the Pain System: Its Function and Dysfunctions <sup>NS</sup>       |
| 212      | Introduction to Forensic Psychology                                 | 474S     | Biological Psychology of Human Development   |
| 213      | Advanced Abnormal Psychology <sup>NS</sup>                          | 510S     | Developmental Psychopathology  |
| 214      | Exercise and Mental Health <sup>NS</sup>                            | 601S     | Psychology Teaching Seminar  |
| 221      | Personality   | 605S     | Obesity and Eating Disorders <sup>NS</sup>   |
| 277      | Looking Inside the Disordered Brain <sup>NS</sup>                   | 607S     | Personality, Stress, and Disease <sup>NS</sup>   |
| 306      | Research Methods in Clinical Psychology <sup>RM</sup>               | 609S     | Psychosocial Determinants of Health  |
| 309      | Research Methods in Global Health <sup>RM</sup>                     | 610S     | The Psychology of Mindfulness Meditation: Theory, Research, and Practice <sup>NS</sup> |
| 310      | Research Methods in Psychopathology and Psychotherapy <sup>RM</sup> | 611      | Global Mental Health <sup>NS</sup>   |
| 316S     | Clinical Issues for the LGBTQ Community                             | 613S     | Clinical Interventions: DBT  |
| 317S     | Coping with Catastrophic Events                                     | 629S     | Social Behavior and Personality  |
| 318S     | Psychology of Positive Emotion and Experience                       | 654S     | Psychology of Aging  |
| 321S     | Personality and Individual Differences                              | 655S     | Children's Peer Relations  |
| 322S     | Freud and Sexuality   | 671S     | Nature and Treatment of Eating Disorders Across the Lifespan                           |
| 323      | Fundamentals of Global Mental Health                                | 681S     | Genetics and Environment in Abnormal Behavior <sup>NS</sup>                            |
| 325      | Social Development from Childhood to Early Adulthood                | 685S     | Biological Pathways to Psychopathology <sup>NS</sup>                                   |
| 339S     | Life Span Analysis of Social Relationships                          |          |  |
| 407S     | History of Modern Psychology  |          |  |

### Biological Area (B)

| Course# | Course Title  | Course# | Course Title  |
|---------|---|---------|---|
| 106     | Biological Bases of Behavior: Introduction and Survey <sup>NS</sup> | 206     | Alcohol: Brain, Individual, and Society <sup>NS</sup>                           |
| 107     | Biological Bases of Behavior (Team Based Learning) <sup>NS</sup>    | 214     | Exercise and Mental Health <sup>NS</sup>  |
| 113L    | Computing and the Brain <sup>NS</sup>                               | 226     | Sex/Gender - Nature/Nurture: Intersections of Biology and Society <sup>NS</sup> |
|         |   | 251     | Learning and Adaptive Behavior <sup>NS</sup>                                    |

### Biological Area (B) (continued)

| Course # | Course Title   | Course # | Course Title  |
|----------|--|----------|---|
| 257      | Introduction to Cognitive Neuroscience <sup>NS</sup>                               | 469S     | Cognitive Control and the Prefrontal Cortex <sup>NS</sup>                         |
| 258      | Decision Neuroscience <sup>NS</sup>  | 470S     | Cognitive Neuroscience of Memory <sup>NS</sup>                                    |
| 273      | Behavior and Neurochemistry <sup>NS</sup>  | 471S     | Reward and Addiction <sup>NS</sup>  |
| 274      | Drugs, Brain, and Behavior <sup>NS</sup>   | 473S     | The Neurobiology of the Pain System: Its Functions and Dysfunctions <sup>NS</sup> |
| 275      | Fundamentals of Neuroscience <sup>NS</sup>   | 474S     | Biological Psychology of Human Development  |
| 276D     | Brain and Behavior: Translating Neuroscience <sup>NS</sup>                         | 477S     | Biology of Nervous System Diseases <sup>NS</sup>                                  |
| 277      | Looking Inside the Disordered Brain <sup>NS</sup>                                  | 478S     | Motivation, Action, Choice: Neural and Behavioral Mechanisms <sup>NS</sup>        |
| 278      | Neuroethics <sup>NS</sup>  | 480      | Affective Neuroscience <sup>NS</sup>  |
| 279      | Behavioral Neuroimmunology: Brain and Behavior in Health and Disease <sup>NS</sup> | 499      | Current Research in Neuroscience <sup>NS</sup>                                    |
| 280      | Social and Affective Neuroscience <sup>NS</sup>                                    | 499S     | Current Research in Neuroscience <sup>NS</sup>                                    |
| 281      | Neuroscientific Approaches to Social Behavior <sup>NS</sup>                        | 575      | Brain and Language <sup>NS</sup>  |
| 282      | Neuroscience of Movement and Athletic Performance <sup>NS</sup>                    | 580      | The Biological Basis of Music   |
| 302L     | Brain Waves and Cognition <sup>NS, RM</sup>  | 601S     | Psychology Teaching Seminar   |
| 303L     | Functional Neuroimaging <sup>NS, RM</sup>  | 605S     | Obesity and Eating Disorders <sup>NS</sup>  |
| 308L     | Perception and the Brain <sup>NS, RM</sup>   | 607S     | Personality, Stress, and Disease <sup>NS</sup>                                    |
| 313      | Contemporary Neuroscience Methods <sup>NS, RM</sup>                                | 667S     | Learning and Cognition in Humans, Animals, and Robots <sup>NS</sup>               |
| 340S     | Educational Neuroscience   | 670S     | Language, Brain, and Human Behavior   |
| 351S     | Neuroplasticity and Expertise <sup>NS</sup>  | 681S     | Genetics and Environment in Abnormal Behavior <sup>NS</sup>                       |
| 355S     | Visual Perception & the Brain <sup>NS</sup>  | 684S     | Hormones, Brain, and Cognition <sup>NS</sup>                                      |
| 375L     | Functional Anatomy of the Human Brain <sup>NS</sup>                                | 685S     | Biological Pathways to Psychopathology <sup>NS</sup>                              |
| 376S     | Behavioral Neuroendocrinology <sup>NS</sup>  | 686S     | Principles of Neuroimmunology <sup>NS</sup>                                       |
| 407S     | History of Modern Psychology   |          |   |
| 461S     | Neurobiology of Learning and Memory <sup>NS</sup>                                  |          |   |

### Cognitive Area (C)

| Course # | Course Title   | Course# | Course Title   |
|----------|--|---------|--|
| 102      | Cognitive Psychology: Introduction and Survey <sup>NS</sup>        | 355S    | Visual Perception & the Brain <sup>NS</sup>                                      |
| 113L     | Computing and the Brain <sup>NS</sup>                              | 371S    | Cognition in the Classroom: Applying the Science of Learning to Education        |
| 206      | Alcohol: Brain, Individual, and Society <sup>NS</sup>              | 405S    | Great Ideas in Psychology  |
| 211      | The Psychology of Health Behavior Change                           | 407S    | History of Modern Psychology   |
| 214      | Exercise and Mental Health <sup>NS</sup>                           | 425     | The Psychology of Consumers  |
| 227      | Anthropology and Psychology  | 435S    | The Role of Race and Culture on Development                                      |
| 240      | Educational Psychology   | 437S    | Language Development   |
| 250      | Myths and Mysteries of Memory                                      | 450S    | The Psychology of Trauma and Memory  |
| 251      | Learning and Adaptive Behavior <sup>NS</sup>                       | 451S    | Autobiographical Memory <sup>NS</sup>  |
| 252      | Psychology of Thinking   | 461S    | Neurobiology of Learning and Memory <sup>NS</sup>                                |
| 254      | The Creative Mind  | 469S    | Cognitive Control and the Prefrontal Cortex <sup>NS</sup>                        |
| 255      | Human Cognitive Evolution <sup>NS</sup>                            | 470S    | Cognitive Neuroscience of Memory <sup>NS</sup>                                   |
| 256      | Psychology of Language   | 473S    | The Neurobiology of the Pain System: Its Function and Dysfunctions <sup>NS</sup> |
| 257      | Introduction to Cognitive Neuroscience <sup>NS</sup>               | 478S    | Motivation, Action, Choice: Neural and Behavioral Mechanisms <sup>NS</sup>       |
| 258      | Decision Neuroscience <sup>NS</sup>                                | 479S    | Auditory Neuroscience <sup>NS</sup>  |
| 260      | Psychological Anthropology   | 480     | Affective Neuroscience <sup>NS</sup>   |
| 277      | Looking Inside the Disordered Brain <sup>NS</sup>                  | 575     | Brain and Language <sup>NS</sup>   |
| 278      | Neuroethics <sup>NS</sup>  | 601S    | Psychology Teaching Seminar  |
| 280      | Social and Affective Neuroscience <sup>NS</sup>                    | 603S    | Research in the Classroom  |
| 281      | Neuroscientific Approaches to Social Behavior <sup>NS</sup>        | 629S    | Social Behavior and Personality  |
| 302L     | Brain Waves and Cognition <sup>NS, RM</sup>                        | 654S    | Psychology of Aging  |
| 303L     | Functional Neuroimaging <sup>NS, RM</sup>                          | 667S    | Learning and Cognition in Humans, Animals, and Robots <sup>NS</sup>              |
| 308L     | Perception and the Brain <sup>NS, RM</sup>                         | 668S    | Everyday Cognition   |
| 313      | Contemporary Neuroscience Methods <sup>NS, RM</sup>                | 670S    | Language, Brain, and Human Behavior  |
| 340S     | Educational Neuroscience   |         |  |
| 352S     | Seeing and Knowing: Introduction to Visual Cognition <sup>NS</sup> |         |  |

**Cognitive Area (C) (continued)**

| Course# | Course Title  | Course# | Course Title   |
|---------|---|---------|--|
| 681S    | Genetics and Environment in Abnormal Behavior <sup>NS</sup> | 684S    | Hormones, Brain, and Cognition <sup>NS</sup>         |
|         |   | 685S    | Biological Pathways to Psychopathology <sup>NS</sup> |

**Developmental Area (D)**

| Course # | Course Title   | Course# | Course Title   |
|----------|--|---------|--|
| 103      | Developmental Psychology   | 335S    | Moral Development  |
| 207      | Child Clinical Psychology  | 339S    | Life Span Analysis of Social Relationships                   |
| 223      | Social Identities  | 340S    | Educational Neuroscience                                     |
| 226      | Sex/Gender - Nature/Nurture: Intersections of Biology and Society <sup>NS</sup>      | 407S    | History of Modern Psychology                                 |
| 230      | Relationships Across the Lifespan  | 435S    | The Role of Race and Culture on Development                  |
| 235      | Human Development*   | 436S    | Clinical Intervention with Children and Families             |
| 236      | Psychosocial Aspects of Human Development  | 437S    | Language Development   |
| 239      | Adolescence  | 474S    | Biological Psychology of Human Development                   |
| 240      | Educational Psychology   | 510S    | Developmental Psychopathology                                |
| 242D     | Discovering Education and Human Development I: How Social Scientists Learn from Data | 601S    | Psychology Teaching Seminar                                  |
|          |  | 603S    | Research in the Classroom                                    |
| 260      | Psychological Anthropology   | 654S    | Psychology of Aging  |
| 304      | Child Observation <sup>RM</sup>  | 655S    | Children's Peer Relations                                    |
| 321S     | Personality and Individual Differences   | 671S    | Nature and Treatment of Eating Disorders Across the Lifespan |
| 322S     | Freud and Sexuality  | 681S    | Genetics and Environment in Abnormal Behavior <sup>NS</sup>  |
| 325      | Social Development from Childhood to Early Adulthood                                 |         |  |

\*Course no longer offered as PSY 235; HUMANDEV/SOCIOL 224 will not count towards the PSY major beginning Fall 2017

**Social Area (S)**

| Course # | Course Title  | Course# | Course Title   |
|----------|---|---------|--|
| 104      | Social Psychology   | 325     | Social Development from Childhood to Early Adulthood |
| 205      | Health Psychology and Behavior Change   | 335S    | Moral Development                                    |
| 206      | Alcohol: Brain, Individual, and Society <sup>NS</sup>                           | 368     | Behavioral Finance                                   |
| 211      | The Psychology of Health Behavior Change  | 407S    | History of Modern Psychology                         |
| 220      | The Psychology of Gender  | 410S    | Community Based Prevention Intervention Research     |
| 221      | Personality   | 412S    | Psychology of Criminal Behavior                      |
| 223      | Social Identities   | 425     | The Psychology of Consumers                          |
| 224      | Self and Society  | 426     | Social Psychology of Business                        |
| 225      | Political Psychology  | 435S    | The Role of Race and Culture on Development          |
| 226      | Sex/Gender - Nature/Nurture: Intersections of Biology and Society <sup>NS</sup> | 601S    | Psychology Teaching Seminar                          |
| 227      | Anthropology and Psychology   | 603S    | Research in the Classroom                            |
| 230      | Relationships Across the Lifespan   | 609S    | Psychosocial Determinants of Health                  |
| 236      | Psychosocial Aspects of Human Development                                       | 625S    | Motives, Goals, and Social Behavior                  |
| 260      | Psychological Anthropology  | 627S    | Stereotypes and Stigma                               |
| 281      | Neuroscientific Approaches to Social Behavior <sup>NS</sup>                     | 629S    | Social Behavior and Personality                      |
| 305      | Research Methods in Social Psychology <sup>RM</sup>                             | 654S    | Psychology of Aging                                  |
| 318S     | Psychology of Positive Emotion and Experience                                   | 655S    | Children's Peer Relations                            |
| 324S     | Motivation Science in Social Psychology   |         |  |

## Natural Sciences Elective Options (Revised 06/27/17)

Students may petition for a course not listed here; contact the Psychology Undergraduate Studies office to find out how. Course list is periodically updated. Not every course is offered each semester; check the course schedule for current listings. Because additional NS courses in Psychology may count toward elective credits, courses cross-listed with Psychology are not listed here.

### Biology (BIOLOGY)

| Course # | Course Title   | Course # | Course Title   |
|----------|--|----------|--|
| 154      | AIDS and Other Emerging Diseases                               | 329D     | Principles of Animal Physiology  |
| 201L     | Gateway to Biology: Molecular Biology                          | 330L     | Comparative and Functional Anatomy of the Vertebrates                  |
| 202L     | Gateway to Biology: Genetics and Evolution                     |          |  |
| 207      | Organismal Evolution   | 372LA    | Biochemistry of Marine Animals   |
| 215L     | Introduction to Modeling in Mathematical Biology               | 373LA    | Sensory Physiology and Behavior of Marine Animals                      |
| 223      | Cellular and Molecular Neurobiology                            | 412S     | Sensory Signal Transduction  |
| 250      | Population Genetics  | 423S     | Development of Neural Circuits   |
| 267D     | Behavioral Ecology and the Evolution of Animal Behavior        | 426S     | Visual Processing  |
|          |  | 427S     | Current Topics in Sensory Biology                                      |
| 311      | Systems Biology: An Introduction for the Quantitative Sciences | 431S     | Human Embryology: Reproductive Biology in the 21 <sup>st</sup> Century |
| 322      | From Neurons to Brain  | 650      | Molecular Population Genetics  |

### Biochemistry (BIOCHEM)

| Course # | Course Title   | Course # | Course Title               |
|----------|--|----------|----------------------------|
| 301      | Introductory Biochemistry I: Intermediary Metabolism | 658      | Structural Biochemistry I  |
| 302      | Introductory Biochemistry II                         | 659      | Structural Biochemistry II |

### Biomedical Engineering (BME)

| Course # | Course Title   | Course # | Course Title                            |
|----------|--|----------|---|
| 253L     | Biomedical Electronic Measurements I                         | 511L     | Intermediate Bioelectricity             |
| 260L     | Modeling Cellular and Molecular Systems                      | 513      | Nonlinear Dynamics in Electrophysiology |
| 271      | Signals and Systems  | 515      | Neural Prosthetic Systems               |
| 307      | Transport Phenomena in Biological Systems                    | 527      | Cell Mechanics and Mechanotransduction  |
| 354L     | Introduction to Medical Instrumentation                      | 560      | Molecular Basis of Membrane Transport   |
| 502      | Neural Signal Acquisition                                    | 566      | Transport Phenomena in Cells and Organs |
| 503      | Computational Neuroengineering                               |          |   |
| 504      | Fundamentals of Electrical Stimulation of the Nervous System |          |   |

### Cell Biology (CELLBIO)

| Course # | Course Title               |
|----------|----------------------------|
| 503      | Introduction to Physiology |

### Computer Science (COMPSCI)

| Course # | Course Title                                   | Course # | Course Title                                    |
|----------|--|----------|---|
| 101L     | Introduction to Computer Science               | 516      | Data-Intensive Computing Systems                |
| 201      | Data Structures and Algorithms                 | 520      | Numerical Analysis                              |
| 220      | Introduction to Numerical Methods and Analysis | 527      | Introduction to Computer Vision                 |
|          |  | 528      | Introduction to Computational Science           |
| 224      | Introduction to Computer Modeling              | 532      | Design and Analysis of Algorithms               |
| 230      | Discrete Math for Computer Science             | 570      | Artificial Intelligence                         |
| 260      | Introduction to Computational Genomics         | 571D     | Machine Learning                                |
| 270      | Introduction to Artificial Intelligence        | 662      | Computational Systems Biology                   |
| 316      | Introduction to Database Systems               | 663      | Algorithms in Structural Biology and Biophysics |

### Evolutionary Anthropology (EVANTH)

| Course # | Course Title                                   | Course# | Course Title                          |
|----------|--|---------|---------------------------------------|
| 101      | Introduction to Evolutionary Anthropology      | 333L    | The Human Body                        |
| 101D     | Introduction to Evolutionary Anthropology      | 341     | Primate Sexuality                     |
| 212FS    | Social Structures in an Evolutionary Framework | 341D    | Primate Sexuality                     |
| 246      | Sociobiology                                   | 363S    | Evolution of Primate Social Cognition |
| 285D     | Human Health in Evolutionary Perspective       | 546S    | Primate Social Evolution              |
| 330L     | Human Anatomy and Physiology                   | 560S    | Primate Cognition                     |

### Global Health (GLHLTH)

| Course # | Course Title  | Course # | Course Title   |
|----------|---|----------|--|
| 362      | Introduction to Epidemiology Focus on Global Health | 641      | Non-Communicable Diseases in Low- & Middle-Income Countries: Trends, Causes & Prevention |

### Linguistics (LINGUIST)

| Course # | Course Title  | Course # | Course Title                     |
|----------|---|----------|----------------------------------|
| 115FS    | Games and the Brain                                     | 216FS    | Neuroscience and Human Language  |
| 123FS    | When the Head's in Trouble: Language, Lesions, and Loss | 216S     | Neuroscience and Human Language  |
| 211FS    | The Neuroscience of Reading & Language Comprehension    | 473AS    | Neuroscience and Multilingualism |
|          |   | 473S     | Neuroscience and Multilingualism |
|          |   | 501      | Cognitive and Neurolinguistics   |

### Mathematics (MATH)

| Course # | Course Title                              | Course # | Course Title                   |
|----------|---|----------|--------------------------------|
| 216      | Linear Algebra and Differential Equations | 573S     | Modeling of Biological Systems |
| 221      | Linear Algebra and Applications           |          |                                |

### Neurobiology (NEUROBIO)

| Course # | Course Title                  |
|----------|-------------------------------|
| 559      | The Biological Basis of Music |

### Neuroscience (NEUROSCI)

| Course # | Course Title   | Course # | Course Title                                      |
|----------|--|----------|---|
| 111FS    | The Neuroscience of Reading & Language Comprehension   | 289      | Music and the Brain                               |
| 116FS    | Neuroscience and Human Language                        | 322      | From Neurons to Brain                             |
| 116S     | Neuroscience and Human Language                        | 350      | Pharmacology: Drug Actions and Reactions          |
| 123FS    | When the Head's in Trouble: Language, Lesions and Loss | 381LA    | Sensory Physiology and Behavior of Marine Animals |
| 157FS    | Games and the Brain                                    | 385L     | Integrative Neuroscience Laboratory               |
| 223      | Cell and Molecular Neurobiology                        | 423S     | Development of Neural Circuits                    |
| 242A     | The Creative Brain: Literature, Arts, & Cognition      | 426S     | Visual Processing                                 |
| 245A     | Cultured Brain: Neuroscience of Perception and Action  | 427S     | Current Topics in Sensory Biology                 |
| 288S     | Music as Biology                                       | 438AS    | Neuroscience & Multilingualism                    |
|          |  | 439S     | Neuroscience & Multilingualism                    |
|          |  | 501S     | Cognitive and Neurolinguistics                    |

### Physical Education (PHYSEDU)

| Course # | Course Title        |
|----------|---------------------|
| 206      | Exercise Physiology |

### Pharmacology (PHARM)

| Course # | Course Title                             |
|----------|--|
| 350      | Pharmacology: Drug Actions and Reactions |

### Psychology (PSY)

---Any NS course in Psychology---

### Public Policy (PUBPOL)

| Course # | Course Title   | Course # | Course Title                  |
|----------|--|----------|-------------------------------|
| 241      | Multi-Method Approaches to Social and Policy Research <sup>1</sup> | 348      | Science and Policy of Obesity |

<sup>1</sup>Accepted methods course outside of Psychology

### Romance Studies (ROMST)

| Course # | Course Title                                     |
|----------|--|
| 242A     | The Creative Brain: Literature, Arts & Cognition |

### Sociology (SOCIOL)

| Course # | Course Title                            | Course # | Course Title                               |
|----------|---|----------|--|
| 332      | Methods of Social Research <sup>1</sup> | 333      | Quantitative Analysis of Sociological Data |

<sup>1</sup>Accepted methods course outside of Psychology

### Statistical Science (STA)

| Course # | Course Title                              | Course # | Course Title                                      |
|----------|---|----------|---|
| 101      | Data Analysis and Statistical Inference   | 323      | Statistical Computing                             |
| 102      | Introductory Biostatistics                | 340      | Introduction to Statistical Decision Analysis     |
| 111      | Probability and Statistical Inference     | 360      | Bayesian Inference and Modern Statistical Methods |
| 130      | Probability and Statistics in Engineering | 471S     | Computational Data Analysis                       |
| 210      | Regression Analysis                       | 611      | Introduction to Mathematical Statistics           |
| 230      | Probability                               | 622      | Statistical Data Mining                           |
| 250D     | Statistics                                | 623      | Statistical Decision Theory                       |
| 320      | Design and Analysis of Causal Studies     |          |   |
| 321      | Design and Analysis of Surveys            |          |   |