Individualized Curriculum in Zoology: **B.S. Wildlife Biology Specialization** (AY ≥ 2024-2025)

Student Name: ________________________________________ Email:__________________________

Faculty Mentor: _______________________________________ Matriculation Date: ________________

**University Core Curriculum Courses** (see Undergraduate Catalog for list of course options): 39 hours

**Foundation Skills**

- University College [1] □ UNIV 101 Foundations of Inquiry
- Composition [6] □_________________________
- Mathematics [3] □ MATH 108 or 111

**Disciplinary Studies**

- Science [6]
  - Group I □ CHEM 200, 201, 202
  - Group II □ BIOL 211

- Fine Arts [3] □_________________________

- Social Science [6] □_________________________

- Human Health [2] □_________________________

- Humanities [6] □_________________________

**Integrative Studies**

- Multicultural [3] □_________________________

**School of Biological Sciences Requirements** [10-12]

- **Biological Sciences**: completed with the Zoology major
- **Mathematics**: choose one of the following options [4-6]
  - □ MATH 108 College Algebra and MATH 109 Trigonometry & Analytical Geometry [6]
  - □ MATH 111 Precalculus [4]
- **Physical Sciences**: completed with the Zoology major
- **Supportive Skills** [6]
  - □ Technical Writing [3]
    - □ ENGL 290 Intermediate Analytical Writing or 291 Intermediate Technical Writing or JRNL 310 Writing for the Mass Media
  - □ Statistics [3]
    - □ MATH 282 Intro. to Statistics QUAN 402 Basic Statistics or ZOOL/PLB 360 Intro. Biostatistics
### Requirements for the Zoology Major (B.S., Wildlife Biology Specialization)

#### Biology Core [21]
- □ BIOL 211 Introductory Cell Biology and Genetics [4]
- □ BIOL 212 Introductory Evolution and Ecology [4]
- □ BIOL 213 Introductory Organismal Biology [4]
- □ BIOL 305 Principles of Genetics [3] **Take as early as possible as it is the prerequisite for BIOL 409**
- □ BIOL 304 Evolution or BIOL 409 Developmental Biology [3]

#### Zoology Core [13]
- □ ZOOL 215 Sophomore Seminar [1]
- □ ZOOL 220 Animal Diversity [5]
- □ ZOOL 410 Conservation Biology [3]
- □ ZOOL 468 Wildlife Biology Principles [3]
- □ ZOOL 482 Senior Seminar [1] **Must pass with C or better to graduate**

#### Physical Science [14]
- □ CHEM 210, 212 General & Inorganic Chem. [4]
- □ CHEM 201 General Chemistry Lab I [1]
- □ CHEM 211 General Chemistry Lab II [1]
- □ PHYS 253A College Physics A Lab [1]

#### Mathematics:
- choose one of the following courses [3-4]
  - □ MATH 139 Finite Math [3] or MATH 141 Short Course in Calculus or MATH 150 Calculus I [4]

#### Policy, Administration, and Law:
- choose one of the following [3] (italics = not regularly offered)
  - □ CMST 412 Environmental Rhetoric [3]
  - □ FOR 325 Forest Resources Admin & Policy [3]
  - □ ZOOL 464 Wildlife Admin. & Policy [3]

#### Wildlife Biology & Management:
- choose three of the following courses (no duplications) [9]
  - □ ZOOL 408 Herpetology [3]
  - □ ZOOL 415 Limnology [3]
  - □ ZOOL 461 Mammalogy [3]
  - □ ZOOL 469 Wildlife Techniques [3]
  - □ ZOOL 462A, B Waterfowl Ecol. & Mgmt. [3]

#### Zoology Electives: choose nine hours of the following (no duplications) [9]
- □ FOR 201 Ecology of N. American Forests [3]
- □ FOR 405 Forest Management for Wildlife [3]
- □ FOR 451 Natural Resources Inventory [3]
- □ GEOG 401 Introduction to GIS [3]
- □ GEOG 404 Spatial Analysis [3]
- □ MICR 406 Intro Mycology [3]
- □ PLB 300 Diversity of Plants, Algae & Fungi [4]
- □ PLB 320 Elements of Plant Physiology [4]
- □ PLB 440 Grassland Ecology [3]
- □ ZOOL 320 Vertebrate Zoology [3]
- □ ZOOL 385 Introduction to Marine Biology [3]
- □ ZOOL 403 Bee Identification Short Course [2]
- □ ZOOL 407 Parasitology [4]
- □ ZOOL 408 Herpetology [3]
- □ ZOOL 414 Freshwater Invertebrates [4]
- □ ZOOL 415 Limnology [3]
- □ ZOOL 433 Comparative Physiology [3]
- □ ZOOL 461 Mammalogy [3]
- □ ZOOL 465 Ichthyology [3]
- □ ZOOL 466 Fish Management [3]
- □ ZOOL 467 Ornithology [3]
- □ ZOOL 468 Wildlife Biology Principles [3]
- □ ZOOL 469 Wildlife Techniques [3]
- □ ZOOL 471 Entomology [3]
- □ ZOOL 491, 492, 493 [max 3 credits]

#### Plant Systematics: choose one of the following [3-4]
- □ FOR 202 Tree Identification Lab [3]
- □ PLB 300 Diversity of Plants, Algae & Fungi [4]
- □ PLB 408 Plant Systematics & Identification [4]
- □ PLB 451 Flora of Southern Illinois [3]

#### Free Electives (1-5 hours)
- □ ________________________________  □ ________________________________