COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE
The UNIVERSITY *of* OKLAHOMA

Graduate Programs
Information & Application Material

Master of Science

EXERCISE PHYSIOLOGY
HEALTH PROMOTION
HEALTH & EXERCISE SCIENCE
SPORTS DATA ANALYTICS

Doctor of Philosophy

CELLULAR & BEHAVIORAL NEUROBIOLOGY: EXERCISE PHYSIOLOGY
EXERCISE PHYSIOLOGY
HEALTH PROMOTION

Contact Information:

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UPDATED SUMMER 2021

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Official degree sheets for the 2021-2022 academic year can be accessed here.

PROGRAM INFORMATION

THE UNIVERSITY OF OKLAHOMA

Created by the Oklahoma Territorial Legislature in 1890, the University of Oklahoma is Oklahoma's flagship institution. OU is a doctoral degree-granting research university serving the educational, cultural, economic, and health-care needs of the state, region, and nation. The university enrolls close to 32,000 students, has more than 2,800 full-time faculty members, and has 11 academic colleges on the Norman campus offering over 170 majors at the baccalaureate level and over 120 graduate programs. The University of Oklahoma is an equal opportunity institution.

DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

The mission of the Department of Health and Exercise Science is to lead the state and nation in exercise science and health promotion education and research by providing a rich and diverse undergraduate and graduate curriculum which draws from the life sciences, social sciences, health and exercise sciences, and the humanities; and to contribute to the enhancement of quality of life for the general public.

At any given time, HES faculty and graduate students have multiple research projects ongoing, focusing on the areas of bone density, nutrition, resistance training, aging, community interventions, health disparities, sports performance, and business analytics. Our state-of-the-art laboratories are conveniently located in the HES and Collums buildings.

The Department of Health and Exercise Science (HES) offers seven graduate degrees. Each degree program is outlined on pages 4 and 5.

Evans Hall

MASTER OF SCIENCE DEGREE OPTIONS

The HES Department offers four unique Master of Science (MS) degree options that are designed to address student interests and goals. These include two research-based MS degree options (one in Exercise Physiology and the other in Health Promotion) that are designed to prepare students for entry into the workforce or doctoral study. Also offered is a hybrid MS degree option in Health and Exercise Science, which is a combination of Exercise Physiology and Health Promotion curricula designed for students who plan to enter the field immediately after degree completion.

Each area of study requires a basic core of graded courses, an area of electives related to the specific degree (approved by the student's advisor), and completion of a research requirement.

Health & Exercise Science [M500] [≥ 32 credit hours]
The MS degree program in Health and Exercise Science is an interdisciplinary, hybrid program integrating health education/health promotion, applied exercise physiology, and nutrition, which is designed to prepare students for health/fitness professions, working in a variety of settings. **This is a non-thesis-only program.**

Exercise Physiology [M501] [≥ 30 credit hours]
The MS degree program in Exercise Physiology integrates course work from a range of research areas in applied exercise physiology, which is designed to prepare students for professional work or doctoral training and research in these areas. **This is a thesis-only program.**

Health Promotion [M502] [≥ 30 credit hours]
The MS degree program in Health Promotion integrates course work from a range of research areas in health education/health promotion, which is designed to prepare students for professional work or doctoral training and research in these areas. **This is a thesis-only program.**

Sports Data Analytics [M858] [≥ 36 credit hours]
The MS degree program in Sports Data Analytics is an interdisciplinary program integrating data science, statistics, advanced measurement and evaluation, sport science, and sports business. It is designed to prepare students for positions as sports data analysts within sport organizations, or advancement into doctoral sport management programs. **This program offers a thesis option and a non-thesis option.**

DOCTOR OF PHILOSOPHY DEGREE OPTIONS [≥ 90 post-baccalaureate credit hours]

The doctoral degree (Ph.D.) options in either Exercise Physiology or Health Promotion are awarded for excellence in research scholarship in combination with successful completion of an approved program of study consisting of coursework within and external to the Department of Health and Exercise Science. It signifies the attainment of independently acquired and comprehensive learning which evidences general professional competence. A doctoral student should, under normal conditions, spend at least the equivalent of five full academic years beyond the bachelor's degree. During this period the student completes: (1) appropriate graduate coursework, (2) the General Oral and Written Examination, and (3) submits and successfully defend the results of the original research as a dissertation.

The total number of hours, combining both formal courses and hours of research, for the doctoral degree will be at least 90 post-baccalaureate hours including the credit hours required to gain proficiency in the tools of research. Departmental requirements will conform to University policies in the following areas: (1) residency requirements, (2) limitations to the number of 3000/4000 level courses that may be applied to the degree, (3) transfer credit, (4) time limitations, (5) general examination, (6) use of human subjects/animals in research, and (7) completion and defense of the doctoral dissertation.

Cellular & Behavioral Neurobiology: Exercise Physiology [D148] [≥ 90 credit hours]
The Cellular & Behavioral Neurobiology graduate program is a campus-wide interdisciplinary program with faculty members from Biology, Aerospace & Mechanical Engineering, Chemistry & Biochemistry, Health and Exercise Science, and Psychology. This Ph.D. program emphasizes multidisciplinary research in cellular and behavioral neurobiology with a focus on exercise physiology. In this program, students frequently work with and interact with faculty in a one-on-one nature to develop critical thinking and diverse research skills to become successful neurobiologists.

Exercise Physiology [D500] [≥ 90 credit hours]
Students in the Exercise Physiology program in the Department of Health and Exercise Science at the University of Oklahoma have the opportunity to investigate several different physiological systems. The department has expertise in the areas of cardiorespiratory physiology, neuromuscular physiology, bone metabolism and density, body composition, endocrinology, and metabolism. A wide variety of populations have been studied, including sedentary young subjects, elite athletes, and the very old. Subjects also vary in a wide range of health status and clinical states, including normal healthy individuals, diabetics, people with osteoporosis, pregnancy, muscle wasting, peripheral arterial disease, etc.

Health Promotion [D501] [≥ 90 credit hours]
Our faculty bring the most up-to-date advancements in the field of health promotion into the classroom. They are committed to a collegial learning environment that provides opportunities for individualized mentoring of graduate students. Graduate students can choose to take some of their classes in the College of Public Health at the OU Health Sciences Center in Oklahoma City. Graduate students have opportunities to teach and conduct research projects under the direction of the health promotion faculty.

ADMISSION

An undergraduate degree in Health and Exercise Science or an equivalent allied field such as biological sciences, health education, kinesiology, human performance, public health, or health psychology is generally required. Applicants holding equivalent degrees and other baccalaureate degrees will be evaluated by the department for course deficiencies. If course deficiencies exist, a student may be admitted conditionally, but all deficiencies and conditions must be removed before a student can be fully admitted. Removal of deficiencies is required before taking the comprehensive/general examination or enrolling in thesis/dissertation hours.

A grade point average of 3.0 on a 4.0 scale for undergraduate and/or graduate work as defined by the Graduate College Bulletin is required for full admission. Applicants with less than a 3.0 may be admitted conditionally. ***Students may complete and report the Graduate Record Examination (GRE) scores if they wish; however, GRE scores are not required for review and admission to any of the HES graduate programs.***

International students must also satisfy the English Proficiency Requirements outlined on the OU Admissions and Recruitment website

Admission to the MS and Ph.D. programs will be based on the willingness and ability of a graduate faculty member to accept a new student. Therefore, potential graduate student applicants must schedule an "interview" (or several interviews) with a faculty member with who they wish to work. This is required to establish contact with a potential faculty mentor in the Department of Health and Exercise Science that will serve as the student's advocate and advisor. A faculty mentor must be willing to accept a new graduate student for a student to be considered for acceptance into the MS or Ph.D. programs. If a faculty member is willing to accept a new student and several students apply for a limited number of positions, the application process is competitive and is based on the compatibility of the student applicant and their chosen mentor, research interests, letters of recommendation, undergraduate and graduate grade point average, cover letter statements, and professional goals.

In addition to graduate program admission requirements, applicants for graduate assistantships must also indicate their desire to seek a graduate assistantship (check box on the application form) and complete the Personal Appraisal of Activity & Instructional Skills form.

GRADUATE ASSISTANTSHIPS

Graduate assistantships are annually available for MS and Ph.D. students in the Department of Health and Exercise Science contingent upon available faculty and departmental funding. Students who have been admitted to the graduate program in the Department of Health and Exercise Science are eligible for consideration

Graduate assistants receive a stipend of approximately $12,000 - $16,000 for the academic year (9-month appointment). Graduate assistants also receive a full tuition waiver. NOTE: Fees are not waived.

Ph.D. graduate assistants are allowed to teach lecture and lab classes identified on the Personal Appraisal of Activity & Instructional Skills form, while MS graduate assistants are eligible to teach activity-based classes Personal Appraisal of Activity & Instructional Skills form, HES 2131 Introduction to Health & Exercise Science, or HES 2212 First Aid.

FACILITIES

The Department of Health and Exercise Science is located in the west wing of the S.J. Sarkeys Complex, which opened in 1981. The department houses and maintains classrooms and research laboratories, as well as faculty, staff, and graduate student offices. The east wing of the building houses the university's fitness center. The department also occupies approximately 3,500 square feet in the south end of the Collums Commissary building for additional teaching and research laboratories.

The department encourages interdisciplinary study and research. Faculty and students frequently interact with members of other University academic units in the Colleges of Arts and Sciences, Business, Education, Engineering, Medicine, Public Health, and Allied Health.

Collums Building

S.J. Sarkeys Complex

GENERAL GRADUATE PROGRAM INFORMATION

1. *Admission*

The University of Oklahoma's Graduate College is in charge of all matters of general admission to the University. Enrollment in the Graduate College is governed by the Dean of the College (Dr. Randall Hewes). In applying for admission, the candidate must submit a completed application form and official transcripts of all college work completed at the time of application to the Graduate College. The Graduate College application can be completed online here.

To be eligible for enrollment, the student must have been admitted to the Graduate College before the beginning of the registration period for any given semester.

2. *Deadlines*

The Department of Health and Exercise Science reviews applications for admission once per year. Applicants should have all required materials on file (i.e., completed Graduate College application, completed HES application form, letters of recommendation, etc.) by **February 1**, with evaluation beginning in February. Applicants are encouraged to get their materials before February 1, as well as contact faculty members for an interview.

3. *Types of Admission*

Undergraduates in their final semester at accredited colleges and universities may apply for admission to the Graduate College. Such admission is contingent upon the recommendation of the Graduate Dean and the major department of the University of Oklahoma, the presentation of an undergraduate degree or the equivalent, an overall grade average of "B" (3.0 on a 4.0 scale) or higher, and a supplementary transcript of all courses not previously reported. Holders of advanced degrees will be judged for admission primarily upon the record of their previous graduate work.

Applicants are admitted to the Graduate College in one of the following categories:

A. Full Standing: A GPA of 3.0 in the last 60 hours of undergraduate work or a GPA of 3.0 in 12 or more hours of graduate work. Both require acceptance by the department or program unit. International students must also satisfy the English Proficiency Requirements outlined on the OU Admissions and Recruitment website.

B. Conditional: Any student who has earned a baccalaureate degree or the equivalent but whose grade point average in the last 60 hours of undergraduate work is below 3.0 and/or who has course work deficiencies in the relevant field of study may be conditionally admitted to a degree program or unclassified status. Conditional admission to a degree program is contingent on the recommendations of the department or program unit and approval of the Graduate Dean. Conditional status is generally approved only if the GPA ranges between 2.75 and 3.0.

C. Unclassified Status: A student admitted not as a candidate for a degree. A student in this classification is academically eligible but does not intend to work toward any graduate degree. Credits earned under the unclassified status are acceptable toward a degree if approved by the major department. All graduate courses taken while in unclassified status will be used in calculating the grade point average for purposes of satisfying degree or retention requirements.

D. Certification Status: A graduate certificate represents the completion of a set of courses that provides mastery of a specific area of knowledge. Credits earned under this status may be accepted as degree credits if approved by the major department.

An applicant not eligible under one of these four categories will be denied admission to the Graduate College. Students who hold baccalaureate degrees from accredited colleges and universities who fail to meet requirements for admission to the Graduate College and are denied admission may seek admission as a "special" student. Credits earned under the "special" student status will not count towards a graduate degree.

4. *Retention*

Students must maintain a 3.0 grade point average. Those who fall below 3.0 will be on probationary status until 9 (nine) further graduate hours are completed, at which time a 3.0 cumulative grade point average is required. A student who goes on probation a third time, including the probationary admission period, will be denied further enrollment.

5. *Transfer Credit*

As many as twenty-five percent of the credit hours accepted toward a master's degree may be transferred from other institutions.

Transferability of courses for credit toward graduate degrees at the University of Oklahoma is determined by the graduate faculty in the Department of Health and Exercise Science based on the following criteria: (1) the course was graduate level and taken for graduate credit; (2) the institution offering the course was accredited to offer work at the graduate level for which the transfer is to apply; (3) the credit must not be more than six years old at the time of admission to the degree program; (4) the credit must carry a grade of A, B, or S (satisfactory); and (5) the credit must be related to the MS and/or Ph.D. program of study that has been approved by the faculty advisor/mentor and the HES Graduate Committee.

The applicability of transfer credit toward the degree being pursued is determined by the student's department and/or advisory committee and the Dean of the Graduate College. Transfer credit is considered neutral in the computation of the University of Oklahoma grade point average to determine continued admissibility and graduation.

The University of Oklahoma

NOTE: To complete this form, please save the document to your device prior to completing and save it again after entering your information.

Directions: **The University of Oklahoma (OU) requires a 2-step application process for all graduate students:**

1. Application to the OU Graduate College
Complete the application at ou.edu/gradcollege/apply, submit all previous transcripts, and pay the application fee ($50 for domestic applicants and $100 for international applicants). **Students must meet the minimum requirements of the Graduate College to be considered in the department.**

2. Application to the Department of Health and Exercise Science
This is done by completing and submitting the following:
A cover letter, this completed application, resume/vita, TOEFL score (international students only), 3 recommendation letters, and Personal Appraisal of Activity and Instructional Skills form (if requesting a Graduate Teaching Assistantship in the Department of Health and Exercise Science) (see next page).

**Indicates Required Information*

*First Name: _____ MI: _____ *Last Name: _____

*E-mail address: _____ *Physical Address: _____

*City: _____ *State: _____ *Zip Code: _____

*Home Phone: _____ *Cell Phone: _____ *Country of Citizenship: _____

*Current/Previous University(ies)/College(s): _____

*Select the degree for which you are interested in applying:
Degree Sheets

(use the dropdown to select one)

*Select the name(s) of the faculty with who you are interested in working:
HES Faculty

(select all that apply)
Dr. Christopher Black
Dr. Mikhail Kellawan
Dr. Daniel Larson
Dr. Rebecca Larson
Dr. Hugo Pereira
Dr. Heather Vellers

(select all that apply)
Dr. Jeong Kyu Lee
Dr. Julie Ober Allen
Dr. Marshall Cheney
Dr. Yu Lu

To select multiple faculty members, hold the Ctrl key (PC) or the ⌘ key (Mac) while clicking each faculty member's name

***Have you established contact with a potential faculty mentor?** ◯ YES ◯ NO
You must schedule an "interview" with a faculty member with who you wish to work. This is required to establish contact with a potential faculty member in the department that will serve as your advocate and advisor. A faculty member must be willing to accept you as their graduate student for you to be considered for acceptance into the graduate program.

***Are you requesting a Graduate Teaching Assistantship (GTA) in the Department of Health and Exercise Science?** ◯ YES ◯ NO
If YES, then you must complete and include the Personal Appraisal of Activity and Instructional Skills form.

***FINAL APPLICATION CHECKLIST**: *All applications must include all of the following materials*:

- ☐ **Cover letter**. This letter should be addressed to the Graduate Faculty and should answer the following questions: (a) Why did you choose the Department of Health & Exercise Science? (b) What are your research interests? (c) Which faculty member(s) most closely matches your research interests? (d) What are your long-term goals?
- ☐ **Completed Application** (this form).
- ☐ **Resume or Curriculum Vita**
- ☐ **TOEFL Score** (*International students only*)
- ☐ **3 Letters of Recommendation**. Please ask 3 references (preferably academic) to submit a letter of recommendation on your behalf.
- ☐ **Personal Appraisal of Activity & Instruction Skills Form** (*if requesting a GTA in the Department of Health and Exercise Science*)
- ☐ **Interview**. You must schedule an "interview" with a faculty member with who you wish to work. This is required to establish contact with a potential faculty mentor in the department that will serve as your advocate. A faculty mentor must be willing to accept you as their graduate student for you to be considered for acceptance into the graduate program.
- ☐ **Application to the OU Graduate College**

Please send these materials to:

Graduate Liaison
Department of Health and Exercise Science
University of Oklahoma
1401 Asp Avenue, Rm. 104
Norman, OK 73019
larsondj@ou.edu

Department of Health and Exercise Science
University of Oklahoma

PERSONAL APPRAISAL OF ACTIVITY & INSTRUCTIONAL SKILLS

Name _____

HES Lecture-Based Classes	Qualified & Prefer to Teach	Qualified & Willing to Teach	Not Qualified	Certification (i.e. First Aid, WSI, CSCS, NSCA-CPT, ACSM HF/I)	Additional Comments
1823 – Scientific Principles of Health & Disease					
2131 – Introduction to Health & Exercise Science					
2212 – First Aid					
2823 – Introduction to Nutrition					
2913 – Personal Health					
3813 – Principles of Health & Fitness					
3873 – Principles of Personal Training					
3883 – Principles of Endurance Training					
4883 – Advanced Strength & Conditioning					
XXXX – Other:					
HES Activity-Based Classes	**Qualified & Prefer to Teach**	**Qualified & Willing to Teach**	**Not Qualified**	**Certification (i.e. First Aid, WSI, CSCS, NSCA-CPT, ACSM HF/I)**	**Additional Comments**
Barre					
Basketball					
Individual Fitness					
Indoor Cycling					
Judo					
Kickboxing					
Martial Arts					
Pilates					
Racquetball					
Soccer					
Swimming					
Tone & Sculpt					
Tennis					
Volleyball					
Wall Climbing					
Weight Training					
Yoga					
Other:					

Please elaborate and discuss past experiences for each lecture class checked above:

Graduate Faculty	Year Hired at OU	Areas of Expertise
Chris D. Black, Ph.D. University of Georgia *Associate Professor* cblack@ou.edu	2013	**Exercise Physiology** Neuromuscular function and exercise-induced pain
Jay Campbell, Ph.D. University of Alabama *Assistant Professor* jcampbell21@ou.edu	2015	**Exercise Physiology** Sports performance
Marshall Cheney, Ph.D. University of Oklahoma *Associate Professor* marshall@ou.edu	2012	**Health Promotion** Smoking behaviors in young adults
Lois Coleman, Ph.D. University of Mississippi *Assistant Professor* lois.coleman@ou.edu	2019	**Health Promotion** Health disparities, social and cultural determinants of health
J. Mikhail Kellawan, Ph.D. Queens University *Assistant Professor* kellawan@ou.edu	2017	**Exercise Physiology** Vascular control mechanisms regulating blood flow
Daniel J. Larson, Ph.D. University of Georgia *Associate Professor* larsondj@ou.edu	2015	**Sports Management/Exercise Physiology** Sports economics and sports finance
Rebecca D. Larson, Ph.D. University of Georgia *Associate Professor* rdlarson@ou.edu	2012	**Exercise Physiology** Muscle function, multiple sclerosis, body composition
Yu Lu, Ph.D. Pennsylvania State University *Assistant Professor* yu.lu@ou.edu	2019	**Health Promotion** Health disparities, global health, health intervention
Julie Ober Allen, Ph.D. University of Michigan *Assistant Professor* joallen@ou.edu	2020	**Health Promotion** Health disparities/health equity, stress, coping behaviors, social and structural determinants of health
Hugo Pereira, Ph.D. Marquette University *Assistant Professor* hugomax@ou.edu	2018	**Exercise Physiology** Neuromuscular physiology
Heather Vellers, Ph.D. *Texas A&M University* *Assistant Professor* heather.vellers@ou.edu	2021	**Exercise Physiology** Genetics and endurance exercise training, mitochondrial genetics, effects of dietary intake on regulating physical activity

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· MASTER OF SCIENCE IN HEALTH & EXERCISE SCIENCE · M500 · NON-THESIS ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 32	**Hrs.**	**Semester/Year**	**Grade**
Core Courses: 18 hrs.			
HES 5523 Health Promotion Strategies	3	_____ /_____	_____
HES 5553 Health Promotion Evaluation	3	_____ /_____	_____
HES 5563 Health Behavior I: Individual and Group Influences	3	_____ /_____	_____
HES 5823 Advanced Exercise Physiology	3	_____ /_____	_____
HES 5833 Advanced Exercise Physiology Laboratory	3	_____ /_____	_____
HES 5853 Health Fitness: Theory and Application	3	_____ /_____	_____
Research Technology: 8 hrs.			
HES 5953 Research Methods in HES	3	_____ /_____	_____
HES 5963 Statistical Application in HES (or apprvd substitute)	3	_____ /_____	_____
HES 5940 Intensive Studies in Health and Exercise Science[1]	2	_____ /_____	_____
Electives: 6 hrs. *Choose 6 hours of coursework selected in consultation with the student's advisor and committee.*			
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____

[1]Directed Reading required in conjunction with comprehensive exam.

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· MASTER OF SCIENCE IN EXERCISE PHYSIOLOGY · M501 · THESIS ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 30	**Hrs.**	**Semester/Year**	**Grade**
Required Courses: 9 hrs.			
HES 5823 Advanced Exercise Physiology	3	_____ /_____	_____
HES 5833 Advanced Exercise Physiology Laboratory	3	_____ /_____	_____
HES 5853 Health Fitness: Theory & Application	3	_____ /_____	_____
Core Courses: 12 hrs.			
Research Technology HES 5953 Research Methods in HES	3	_____ /_____	_____
HES 5963 Statistical Applications in HES (or apprvd substitute)	3	_____ /_____	_____
Thesis HES 5980 Research for Master's Thesis	6	_____ /_____	_____
Electives: 9 hrs. *Choose 9 hours of coursework selected in consultation with the student's advisor and committee.*			
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· MASTER OF SCIENCE IN HEALTH PROMOTION · M502 · THESIS ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 30	**Hrs.**	**Semester/Year**	**Grade**
Required Courses: 9 hrs.			
HES 5523 Health Promotion Strategies	3	_____ /_____	_____
HES 5563 Health Behavior I: Individual and Group Influences	3	_____ /_____	_____
HES 5553 Health Promotion Evaluation	3	_____ /_____	_____
Core Courses: 12 hrs.			
Research Technology			
HES 5953 Research Methods in HES	3	_____ /_____	_____
HES 5963 Statistical Applications in HES (or apprvd. substitute)	3	_____ /_____	_____
Thesis			
HES 5980 Research for Master's Thesis	6	_____ /_____	_____
Electives: 9 hrs.			
Choose 9 hours of coursework selected in consultation with the student's advisor and committee.			
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____
_____ _____	_____	_____ /_____	_____

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· MASTER OF SCIENCE IN SPORTS DATA ANALYTICS · M858 · THESIS AND NON-THESIS ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 36	**Hrs.**	**Semester/Year**	**Grade**
Core Courses: 10 hrs. [thesis option]; 8 hrs. [non-thesis option]			
HES 5953 Research Methods in HES	3	_____ /_____	_____
HES 5963 Statistical Applications in HES (or apprvd. substitute)	3	_____ /_____	_____
HES 5980 Research for Master's Thesis [4 hrs. thesis option] **OR** HES 5940 Intensive Studies in HES [2 hrs. non-thesis option]	2 or 4	_____ /_____	_____
Required Courses: 12 hrs.			
HES 5283 Sports Finance and Market Analytics **OR** HES 5313 Athlete Tracking and Monitoring in Sports	3	_____ /_____	_____
HES 5430 Internship in Health and Exercise Science	3	_____ /_____	_____
HES 5903 Sports Performance Analytics	3	_____ /_____	_____
HES 6553 Health Promotion Evaluation[1]	3	_____ /_____	_____

Choose a minimum of 8 credits of graduate-level Data Science and/or Advanced Statistics courses (approved by faculty advisor and graduation liaison). Approved data science courses: MIT 5602, 5612, 5622, 5682, 5782, 5652, 5662, 5642, 5993, 5692 or other MIT 5000+ level courses as approved by faculty advisor and graduation liaison.

_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____

Electives: 6 hrs. [thesis option], 8 hrs. [non-thesis option]
Choose 6 credit hours [thesis option] or 8 credit hours [non-thesis option] at the graduate-level and approved by faculty advisor and graduate liaison.

_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____

[1] With faculty approval, HES 5553 Health Promotion Evaluation may substitute if HES 6553 is not offered.

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· DOCTOR OF PHILOSOPHY IN CELLULAR & BEHAVIORAL NEUROBIOLOGY: EXERCISE PHYSIOLOGY · D148 ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 90 (MA/MS + Ph.D.)	**Hrs.**	**Semester/Year**	**Grade**
Cellular and Behavioral Neurobiology Core: 10-13 hrs.			
BIOL 5833 Neurobiology	3	_____ /_____	_____
BIOL 5871 Current Topics in Neurobiology	1	_____ /_____	_____
Lab Rotations (2-3 in CBN-affiliated labs)			
HES 6990 Independent Study in HES	6-9	_____ /_____	_____
Interdisciplinary Research Core: 12 hrs.			
HES 6970 Seminar in HES [3 @ 1 hour each]	3	_____ /_____	_____
HES 6990 Independent Study in HES	3	_____ /_____	_____
Graduate Statistics as approved by doctoral advisory committee			
Graduate Statistics I _____	3	_____ /_____	_____
Graduate Statistics II _____	3	_____ /_____	_____
Exercise Physiology Core: 21 hrs.			
CHEM 3653 Introduction to Biochemistry	3	_____ /_____	_____
HES 6823 Cardiorespiratory Exercise Physiology	3	_____ /_____	_____
HES 6833 Human Body Composition	3	_____ /_____	_____
HES 6843 Neuromuscular Physiology	3	_____ /_____	_____
HES 6883 Endocrinology and Metabolism of Exercise	3	_____ /_____	_____
Choose one of the following:	6	_____ /_____	_____
6 graduate-level hours in PHYO; 2 BIOL courses from BIOL 3103 (taken for graduate credit), BIOL 5813, BIOL 5863; or two 3-hour graduate-level physiology courses as approved doctoral advisory committee			
Dissertation Research: 12 hrs. minimum			
HES 6980 Research for Doctoral Dissertation	12	_____ /_____	_____

Electives: 32-35 hrs.
Elective and transfer credit (including from a completed master's degree) as approved by the doctoral advisory committee and as needed to complete 90 hours beyond the baccalaureate degree.

_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____
_____	_____	_____	_____ /_____	_____

UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· DOCTOR OF PHILOSOPHY IN EXERCISE PHYSIOLOGY · D500 ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 90 (MS/MA + Ph.D.)	**Hrs.**	**Semester/Year**	**Grade**
Interdisciplinary Research Core: 12 hrs.			
HES 6970 Seminar in HES [3 @ 1 hour each]	3	_____ /_____	_____
HES 6990 Independent Study in HES	3	_____ /_____	_____
Graduate Statistics I _____	3	_____ /_____	_____
Graduate Statistics II _____	3	_____ /_____	_____
Dissertation Research: 12 hrs.			
HES 6980 Research for Doctoral Dissertation	12	_____ /_____	_____
Extended Core for Exercise Physiology: 21 hrs.			
Choose one of the following: 6 hours PHYO (OUHSC); 2 courses from BIOL 3103 (taken for graduate credit), BIOL 5833, BIOL 5863; or two 3-hour graduate physiology courses as approved by doctoral advisory committee	6	_____ /_____	_____
CHEM 3653 Introduction to Biochemistry	3	_____ /_____	_____
HES 6823 Cardiorespiratory Exercise Physiology	3	_____ /_____	_____
HES 6833 Human Body Composition	3	_____ /_____	_____
HES 6843 Neuromuscular Physiology	3	_____ /_____	_____
HES 6883 Endocrinology and Metabolism of Exercise	3	_____ /_____	_____

Electives: 45 hrs.
Elective and transfer credit (including from a completed master's degree) as approved by the doctoral advisory committee and as needed to complete 90 hours beyond the baccalaureate degree.

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UNIVERSITY OF OKLAHOMA
DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

· DOCTOR OF PHILOSOPHY IN HEALTH PROMOTION · D501 ·
DEGREE SHEET

Name _____ ID# _____ Term Entered _____

Minimum Number of Hours Required: 90 (MS/MA + Ph.D.)	**Hrs.**	**Semester/Year**	**Grade**
Interdisciplinary Research Core: 12 hrs.			
HES 6970 Seminar in HES [3 @ 1 hour each]	3	_____ /_____	_____
HES 6990 Independent Study in HES	3	_____ /_____	_____
Graduate Statistics I _____	3	_____ /_____	_____
Graduate Statistics II _____	3	_____ /_____	_____
Dissertation Research: 12 hrs.			
HES 6980 Research for Doctoral Dissertation	12	_____ /_____	_____
Extended Core for Health Promotion: 15 hrs.			
HES 6513 Qualitative Research Methods in Health Promotion[1]	3	_____ /_____	_____
HES 6523 Social Marketing in Health Promotion **OR** HES 6573 Intervention Mapping	3	_____ /_____	_____
HES 6563 Health Behavior II: Community, Organizational and Population Influences	3	_____ /_____	_____
HES 6553 Advanced Measurement and Evaluation	3	_____ /_____	_____
BSE 5113 Principles of Epidemiology (OUHSC)[1]	3	_____ /_____	_____

Electives: 51 hrs.
Elective and transfer credit (including from a completed master's degree) as approved by the doctoral advisory committee and as needed to complete 90 hours beyond the baccalaureate degree.

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[1]HES 6513 and BSE 5113 may be substituted with other courses approved by the doctoral advisory committee.