CS [45]783: Machine Learning
Fall 2021 Syllabus

Instructor Information

Name: Sathyanarayanan Aakur
Office: MSCS 210 (Virtual)
Email: saakurn@okstate.edu
Office Hours: MW 2:00 - 3:30 pm, or by appointment.

Class Information

Dates: 16th Aug - 10th Dec
Time: MW 4:00 - 5:15 pm
Classroom: 215 Life Sciences East

TA Information

Name: TBD
email: TBD
Office Hours: TBD
Office: TBD

Course Description

A probabilistic, statistical approach to automated pattern discovery applied to large datasets. Constructing computational models with this information and assessing their behavior and reliability. Representing data and devising tools for discovering these models. Class focuses on the development and analysis of learning algorithms as well as the mathematical formulations underlying statistical processing.

Course Objectives

After this course, you should be able to . . .

- Understand supervised machine learning methods and their application.
- Understand how to compare machine learning algorithms. Understand the trade-off between algorithms and potential performance and time.
- Be able to read current literature on machine learning.
- Understand clustering unlabeled data.
- Understand the basics of Deep Learning models.
Textbook, & Software

No particular book is required for this course. However, I would recommend the following books for reference.

Textbook 1: Christopher M Bishop, Pattern Recognition and Machine Learning

It is expected that students in this class have basic prior programming experience.

Course Outline and Tentative Schedule

Week 1  Course introduction and Machine Learning Basics
Week 2  Linear Regression
Week 3  Bayesian Learning and Logistic Regression
Week 4  Discriminative Models
Week 5  Neural Networks
Week 6  Deep Learning - Convolutional Neural Networks
Week 7  Deep Learning - Sequence Learning
Week 8  Support Vector Machines
Week 9  Midterm and Decision Trees
Week 10  Unsupervised Learning
Week 11  Expectation Maximization and Gaussian Mixture Models
Week 12  Hidden Markov Models and Dimensionality Reduction
Week 13  Reinforcement Learning
Week 14  ML Applications, Bias, Fairness and Ethics in AI
Week 15  Fall Break
Week 16  Project Presentations
Week 17  Final Exam and Project Presentations

Class Attendance and Participation

Attendance is strongly encouraged, but not required. Students are responsible for any material covered in class. Some of the material covered in class will not be in the textbook. Announcements about tests etc. will be made in class and/or by email. Students are to check their emails regularly (using their class accounts).

Assignments and Quizzes

- Assignments will ordinarily be due on Mondays at midnight. Your code should be handed into the Canvas dropbox (canvas.okstate.edu) as a single .zipfile.

- If you need or desire an extension on any Assignment for any reason, contact your instructor in a timely fashion, as permitted by the need. There is no guarantee that you will receive an extension on any assignment, so plan your schedule carefully. No late work is accepted!!

- There will be a weekly quiz. The quizzes will most often be given on Fridays, and sometimes Wednesdays. There will be a quiz for the topics covered in every week. Start preparing for
quizzes before they arrive! *No make-up quizzes will be given.* Quizzes will be Open book and Open notes. It will be online on Canvas.

- Academic integrity is taken very seriously. You are permitted to discuss the course material with fellow students in general terms, but the programs you write must be your own. Code copied from each other or found on the web will result in an automatic zero for the assignment, and may even result in earning an 'F!' for the course and facing academic disciplinary measures.

**Exams**

There will be a midterm exam and a final exam.

The final exam is comprehensive and will be given during a two-hour block. The exact time and location will be announced later in the semester. The final exam will only be given at the announced time. *There will be no exceptions.* If a student has a conflict with another final exam, the student must contact their instructor at least two weeks in advance in order to have it resolved.

**Grading**

The course grade is determined by the following components:

- Assignments 35%
- Quizzes 15%
- Midterm Exam 15%
- Final Project 20%
- Final Exam 15%

Final grades will be assigned according to the following scale,

- Grade A 90-100%
- Grade B 80-89%
- Grade C 70-79%
- Grade D 60-69%
- Grade F 0-59%

**DEPARTMENT POLICIES**

**Drop and Add Policy:** Students will be allowed to drop as long as the University permits them to do so. A grade of W or F will be determined on the basis of the points earned until that time.

**Academic Dishonesty/misconduct:** The Computer Science departmental policy for academic dishonesty and misconduct applies to this class. In addition, a student attempting to gain unfair advantage by keeping an examination paper longer than the time permitted is guilty of academic misconduct.

Cheating can include, but not limited to: (i) giving unauthorized assistance to others, (ii) receiving unauthorized assistance from others, (iii) looking at another student’s solution in an exam or assignment, (iv) looking at or consulting material not allowed in the exam or assignment, and
(v) using another person or website (such as Chegg.com) for solutions to assignments or exams.

**Computer Usage:** The Computer Science departmental policy for computer usage applies to this class. Exceptions will be made for students whose companies permit use of company machines for academic work. Students taking advantage of the exception must have two-way email access.

**Americans with disabilities act:** The Computer Science departmental policy for students with disabilities applies to this class. Anyone who has a need for examinations by special arrangements should see the instructor as the earliest possible opportunity during scheduled office hours.

**Examinations/Tests:** No discussion of any kind (except with the instructor) is allowed. No access to any type of written material is allowed. Students who do not comply with the described collaboration policy will receive a grade of F in the course. Furthermore, the case will be reported to the University Officials.

**Important Dates**

- Midterm: Week of 17th September 2021
- Last day to drop a course with no grade: 23rd August 2021
- Academic Withdrawal Deadline: 5th November 2021
- Final Exam: TBD

**University Holidays**

- Labor Day: 6th September 2021
- Fall Break: 22 – 24 November 2021
- Thanksgiving: 25th and 26th November 2021
Your success as a student is our top priority so the following information is provided to answer questions most often asked by students. Be assured the OSU faculty and staff want you to be successful in your educational pursuits. If you have questions or concerns, please be sure to seek help EARLY! We are here to assist you.

As a student, you may experience a range of issues that can cause barriers to learning. Mental health concerns, such as strained relationships, increased anxiety, alcohol/drug problems, difficulty concentrating, and/or a lack of motivation, can lead to diminished academic performance and/or feelings of distress. A lack of access to basic needs including food, housing, or hygiene products, can negatively affect your ability to do well in your courses. Whatever your need, the OSU community is here for you and wants to provide resources to best support your needs. You can access mental health resources, health and wellness resources, and the Basic Needs Resource Center to help navigate college life (https://ssc.okstate.edu/student_support_resources.html). You can request assistance in navigating resources or share concerns you might have about a peer at Student Support and Conduct (https://ssc.okstate.edu/report.html).

### IMPORTANT DATES

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>08/23/2021</td>
<td>Last day to add a class (without instructor permission)</td>
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<tr>
<td>08/23/2021</td>
<td>Last day to drop a class with no grade and 100% refund</td>
</tr>
<tr>
<td>08/27/2021</td>
<td>Last day to add a class (requires instructor &amp; advisor permission)</td>
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<tr>
<td>08/27/2021</td>
<td>Last day to drop a class or withdraw from the University with no grade and receive a partial refund</td>
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<tr>
<td>11/05/2021</td>
<td>Last day to drop a class or withdraw from the University with an automatic “W”</td>
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<tr>
<td>11/19/2021</td>
<td>Last day to request to drop a class with an assigned grade of “W” or “F” (requires instructor &amp; advisor permission)</td>
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<tr>
<td>11/19/2021</td>
<td>Last day to withdraw from the University with an assigned grade of “W” or “F”</td>
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<tr>
<td>11/29/2021-12/03/2021</td>
<td>Pre-Finals Week</td>
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<td>12/06/2021-12/10/2021</td>
<td>Final examinations</td>
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<tr>
<td>12/15/2021</td>
<td>Final grades due from faculty</td>
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Note: Outreach, Internet, and short courses have unique drop/add and refund deadlines; lookup the specific deadlines for these courses on the Short, Internet, and Outreach Class Schedules page of the Registrar’s website [http://registrar.okstate.edu/SIO-Schedule](http://registrar.okstate.edu/SIO-Schedule).

### Fall Semester Holidays

- **University Holiday**: 09/06/2021
- **Students’ Fall Break**: 11/22/2021-11/24/2021
- **University Holiday**: 11/25/2021-11/26/2021

### DROPPING A COURSE AND WITHDRAWING FROM THE UNIVERSITY

Students often confuse these terms. **Dropping a Course** refers to the dropping of one or more classes while remaining enrolled in at least one other OSU course for a given semester. Students may request to drop a course during the 13th and 14th weeks of the semester with instructor and advisor permission. The grade of “W” or “F” will be assigned by the instructor. Drop and refund deadlines can be found within the Academic Calendar. Summer courses and other short courses that vary from the standard 16-week semester follow proportionate drop and refund periods.

**Withdrawing** from the university means dropping **all** courses and you are no longer enrolled for the current semester. The withdrawal process is initiated with your academic advisor. Withdrawal deadlines can be found within the Academic Calendar. Withdrawal deadlines involving summer courses and other short courses that vary from the standard 16-week semester follow proportionate withdrawal periods.

Exceptions to the deadlines above may only be considered by petition due to documented extraordinary circumstances and committee approval. The Retroactive Drop/Withdraw and Refund of Tuition and Fees Petition is available on the Academic Affairs’ website: [https://academicaffairs.okstate.edu/faculty-development/add-drop-withdraw.html](https://academicaffairs.okstate.edu/faculty-development/add-drop-withdraw.html).

### ALERTS AND RESCHEDULING

If the OSU campus moves to virtual classes or officially closes due to inclement weather or other emergencies, alerts are provided to local news media and posted on the OSU website. Missed exams, classes, or assignments may be rescheduled at times outside the normal meeting schedule. If valid, documented circumstances prohibit students from attending the rescheduled classes, instructors should provide reasonable alternative means for makeup.

### ACADEMIC INTEGRITY

OSU is committed to maintaining the highest standards of integrity and ethical conduct. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and altering academic records) will result in an official academic sanction. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. Students have the right to appeal the charge.

### COPYRIGHT & FAIR USE POLICY OF COURSE MATERIALS

Course materials may not be published, leased, sold to others, or used for any purpose other than appropriate OSU-related individual or group study without the written permission of the faculty member in charge of the course and other copyright holders. This paragraph grants you a limited license giving you access to materials for this course, including PowerPoint slides, audio/video recordings, written, or other materials, for appropriate OSU-related educational use only. Lectures should not be recorded without permission from the faculty member and must not be further disseminated or shared. Assignments, quizzes, and exams
(individual questions or in its entirety) should not be uploaded to websites offering note-sharing, tutoring, or other academic help (free or by paid subscription).

CLASS ATTENDANCE AND PARTICIPATION
Class attendance is a critical component of learning; therefore, you are expected to attend and participate fully in all scheduled class meetings. Many instructors consider attendance so essential that your grade may be affected by your absence. SOME DEPARTMENTS AND PROFESSORS HAVE MANDATORY ATTENDANCE POLICIES. If no written attendance policy is provided before the last day to add a class without instructor permission, no penalty may be assessed for class absences although you may not be permitted to make up certain in-class activities. If you are ill, you should stay home. If you are required to participate in official university-sponsored activities or military training, you should receive an excused absence unless the written course attendance policy indicates otherwise. If you will be absent from class for sponsored activities, you must provide prior notification of the planned absence to the instructor. You may be required to submit assignments or take examinations before the planned absence.

PRE-FINALS WEEK POLICY
Final examinations are scheduled at the end of each semester and are preceded by pre-finals week, which begins seven days prior to the first day of finals. During pre-finals week, all normal class activities will continue; however, no assignment, test, or examination accounting for more than 5% of the course grade may be given; and no activity or field trip may be scheduled that conflicts with another class. This excludes makeup and laboratory examinations, out-of-class assignments (or projects) made prior to pre-finals week and independent study courses. No student or campus organization may hold meetings, banquets, receptions, or may sponsor or participate in any activity, program, or related function that requires student participation. For additional information, contact the Office of Academic Affairs, 405-744-5627, 101 Whitehurst.

FINAL EXAM OVERLOAD POLICY
In the event you have three or more final exams scheduled for a single day, you are entitled to arrange with the instructor of the highest numbered course (4 digit course number) or two highest, if you have four finals on one day, to re-schedule that examination(s) at a time of mutual convenience during final exam week. If the final exam overload includes a common final exam, the common final exam is excluded from rescheduling unless multiple common exams are scheduled at the same time. You should submit this request in writing, with a copy of your class schedule, at least two weeks prior to the beginning of final exam week. The instructor has one week prior to the beginning of final exam week to arrange a mutually convenient time for administration of the final exam. After one week, if an agreement cannot be reached, take the request to the department head.

INFORMATION TECHNOLOGY
Student Email - OSU uses your OKSTATE.EDU email address as a primary form of communication. Students are expected to check their OSU email on a frequent and consistent basis to remain informed of their official university business. If you do not use the OSU email system you must redirect your okstate.edu email using the Orange-Key System (www.okkey.okstate.edu). Failure to maintain an accurate email address may result in missed or lost university communications. For email assistance contact the IT Helpdesk at 405-744-HELP (4357).

Computer Labs - A complete description of computer labs and hours of operations are available at their website: https://it.okstate.edu/services/computer-labs/index.html. Lab information is also available by calling the Information Technology Help Desk at 405-744-HELP (4357).

EQUAL OPPORTUNITY
409 General Academic Building/405-744-7607
https://1is2many.okstate.edu/
OSU is committed to maintaining a learning environment that is free from discriminatory conduct based on race, color, religion, sex, sexual orientation, gender identity, pregnancy, status as a parent, national origin, disability (physical or mental), age, family medical history or genetic information, political affiliation, military service, protected veteran status, or other non-merit based factors. OSU does not discriminate on the basis of sex in its educational programs and activities. Examples of sexual misconduct and/or sex discrimination include: sexual violence, sexual harassment, sexual assault, domestic and intimate partner violence, stalking, or gender-based discrimination. OSU encourages any student who thinks that they may have been a victim of sexual misconduct or sexual discrimination to immediately report the incident to the Title IX Coordinator (405-744-9153) or Deputy Title IX Coordinator (405-744-5470). If a reporting student would like to keep the details confidential, the student may speak with staff in the Student Counseling Center (405-744-5472) or one of the University’s Sexual Assault Victim Advocates (Mon-Fri 8 AM-5 PM, 405-564-2129 or 24 Hour Help Line 405-624-3020).

DIVERSITY AND INCLUSION
408 Whitehurst/405-744-9154
https://diversity.okstate.edu
Oklahoma State University is a land-grant institution committed to excellence in diversity and inclusion. We strive to maintain a welcoming and inclusive environment that appreciates and values all members of the University community. We define diversity as engagement in meaningful actions, behaviors, and conversations that reflect a commitment to recognizing, understanding, and respecting the differences among students, faculty, staff, and visitors throughout the OSU system. We do not condone acts, behavior, language, or symbols that represent or reflect intolerance or discrimination. OSU is dedicated to cultivating and enriching the competitive advantages that diversity and inclusion provides all members of the University community. We identify diversity as a quality of life issue, as well as an important economic driver for the prosperity and well-being of the state, nation, and world.

STUDENT ACCESSIBILITY SERVICES
1202 W. Farm Rd #115/405-744-7116/http://sds.okstate.edu/
According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of the disability and requesting accommodations. If you think you have a qualifying disability and need accommodations, contact the Office of Student Accessibility Services to start the registration process and to ensure timely implementation of appropriate accommodations. To receive services, you must submit appropriate documentation and complete an intake process to verify the existence of a qualified disability and identify reasonable accommodations. Faculty have an obligation to respond when they receive official notice of accommodations but are under no obligation to provide retroactive accommodations.
STUDENT SUPPORT AND CONDUCT
328 Student Union/405-744-5470/ https://ssc.okstate.edu/
By enrolling at Oklahoma State University, you accept responsibility
for complying with all University policies and contracts, and for local,
state and federal laws on- or off-campus that relate to the University’s
mission. The Student Code of Conduct educates students about their
civic and social responsibilities including policies and procedures
involving student misconduct.

In general, the University expects students to aspire to follow and
promote the Cowboy Community Standards or integrity, community,
social justice, respect, and responsibility.

EDMON LOW LIBRARY HOURS
405-744-9775 or 405-744-9741 Text 405-592-4128
For a complete list of the library’s hours, please visit
http://library.okstate.edu/about/hours
For information about the library’s services and how to utilize research
tools, please visit www.library.okstate.edu

*Contact the following for information on hours of operation:
  Architecture Library 405-744-6047
  Curriculum Materials Library 405-744-6310
  Veterinary Medicine Library 405-744-6655

WHERE TO GO FOR HELP

ACADEMIC RELATED SERVICES

Instructor - If you have questions regarding your class, talk to your
instructor. Faculty members usually include their office hours and/or
phone number in the class syllabus. If you cannot locate this
information, set a time to meet with your instructor by speaking with
them prior to or immediately following your class session or check with
the departmental office on when the instructor may be available. Some
office hours may be virtual, and students are strongly encouraged to
confirm the format and available times with their instructor.

Academic Advisor - All students will benefit by conferring with an
advisor on a regular basis. If you do not know your advisor, you may
log in to my.okstate.edu to locate their contact information. Some
advising appointments may be virtual, so students are strongly
encouraged to confirm the format when requesting an appointment.

Bursar
113 Student Union/405-744-5993
http://bursar.okstate.edu/
The Bursar Office bills and collects tuition, fees, campus housing, and
other university related charges. The Bursar Office also processes and
distributes all federal and campus-based funds to students’ bursar
accounts and refunds any overpayments on students’ bursar
accounts.

Career Services
360 Student Union/405-744-5253
http://hireosugrads.com
Locate your College’s Career Consultant on the Career Services
website. Use http://hireosugrads.com to search for part-time jobs.

Concurrent Student Academic Support Services
University College/040 Student Union/405-744-1389
http://universitycollege.okstate.edu/concurrent/index.html
Find out about academic services for concurrent students or to schedule
an advising appointment.

Language Placement Test
206 Gunderson Hall/405-744-9547
http://languages.okstate.edu/
Students with prior language experience in French, German, or Spanish
who take the placement exam and then score a ‘B’ or higher in a more
advanced class, will get up to 6 credit hours for the classes below it.
Schedule your free test by emailing Nick Howland at
nick.howland@okstate.edu.

Multicultural Affairs
240 Student Union/405-744-5481
http://oma.okstate.edu/
Academic, career, and personal success programs are available. Student
organizations representing diverse communities and annual events are
offered.

Pre-Professional Health and Law Support Services
University College/040 Student Union/405-744-9965
https://preprofessional.okstate.edu
Support services available to all OSU students, regardless of major,
who desire to pursue a professional education in healthcare or law.

Registrar
322 Student Union/405-744-6876
http://registrar.okstate.edu/
The Office of the Registrar provides services related to the creation and
maintenance of student academic records. Staff in the Registrar’s office
are available to assist students with enrollment, official transcript
requests, degree and enrollment verification, updating personal
information in the Student Information System, graduation, and other
services.

Scholarships and Financial Aid
119 Student Union/405-744-6604
http://financialaid.okstate.edu
Over 80 percent of Oklahoma State University students received
scholarships, grants, work, and low-interest loans totaling over $320
million last year. Contact the Office of Scholarships & Financial Aid to
apply for financial aid or to meet with a financial aid counselor.

Transfer Student Academic Support Services
University College/104 North Classroom Building/405-744-1390
http://universitycollege.okstate.edu/transfer/index.html
This office provides undergraduate transfer students with a seamless
transition to OSU by collaborating with various departments on
campus, including Undergraduate Admissions, the LASSO Center, the

University Assessment and Testing
107 University Assessment and Testing Building/405-744-5958
http://uat.okstate.edu/
Campus and national tests as well as testing accommodations are
provided.

Veteran Benefit Services
322 Student Union/405-744-6343
http://registrar.okstate.edu/Veteran-Benefit-Services
This office provides information and assistance in completing the
appropriate forms to apply for educational benefits through the U.S.
Department of Veterans Affairs and through the State of Oklahoma.
Veteran Student Academic Support Services
University College/104 North Classroom Building/405-744-1390
http://universitycollege.okstate.edu/veteran/index.html
This office works with veteran and military-affiliated students to aid in their transition from military service to successful careers by ensuring they succeed academically through coordination of support services from both on- and off-campus entities.

HEALTH RELATED SERVICES

Center for Family Services
101 Nancy Randolph Davis West/405-744-5058
https://education.okstate.edu/outreach/center-family-services/index.html
The Center for Family Services is the on-campus training clinic for the Marriage and Family Therapy graduate program. The CFS offers individual, couple, and family therapy sessions.

Counseling Psychology Clinic
107 Public Information Office/405-744-6980
https://education.okstate.edu/ccp_clinic/index.html
Faculty and graduate students offer high quality and cost efficient psychological and mental health services to students Monday through Friday.

Psychological Services Center
118 Psychology Building/(405) 744-5975
https://psychology.okstate.edu/osupsc
Graduate Students in the Clinical Psychology Ph.D. program offer low cost, evidence-based therapy as well as assessment for ADHD and learning disabilities.

University Counseling Services
320 Student Union/405-744-5458
https://ucs.okstate.edu/
Services include personal counseling, the Alcohol & Substance Abuse Center, and stress management through the Reboot Center.

University Health Services
1202 W. Farm Road/405-744-7665
http://ubs.okstate.edu/
Any individual who feels as though they have concerning symptoms (fever, cough, difficulty breathing) or have been around someone being investigated for COVID-19 can call UHS at 405-744-7665. An allergy clinic, lab services, x-ray, travel clinic, women’s clinic and pharmacy are among the services offered at this campus outpatient medical clinic.

Wellness Department
405-744-5510
http://wellness.okstate.edu/
Intramurals, group fitness and sports clubs are among the many programs and services available through the Wellness Department.

CAMPUS LIFE RELATED SERVICES

Fraternity and Sorority Affairs
211J Student Union/405-744-5490
https://lcl.okstate.edu/gogreek/
For questions and comments about fraternity and sorority organizations, contact Fraternity and Sorority Affairs.

Housing and Residential Life
100 Iba Hall/405-744-5592
http://reslife.okstate.edu
For questions and comments about housing and residential life, contact the Housing administration office.

Leadership and Campus Life
211 Student Union/405-744-5488
http://lcl.okstate.edu
Get involved through student organizations; the Center for Ethical Leadership; International Students & Scholars; Non-traditional Student Services; and Parent & Family Relations.

Service-Learning Volunteer Center
211G Student Union/405-744-5145
https://lcl.okstate.edu/volunteer/
Find volunteer opportunities and earn the recognition C.O.R.D. to wear at graduation.

University Dining Services
076 Student Union/405-744-4424
http://dining.okstate.edu/
For questions and comments about meal plans or university dining operations, contact University Dining Services.

ACADEMIC SUPPORT RESOURCES AND TUTORING

Learning and Student Success Opportunity (LASSO) Tutoring Center
021 Classroom Building/405-744-3309
https://universitycollege.okstate.edu/lasso/
LASSO offers free individual and group tutoring for a variety of courses.

STUDENT ACADEMIC SERVICES CENTERS

Ferguson College of Agriculture
136 Agricultural Hall/405-744-5395
Contact: Dr. Deb VanOverbeke
http://agriculture.okstate.edu/students/
Academic support and career guidance resources are available for Agriculture students.

Arts and Sciences
213 Life Sciences East/405-744-5658
Contact: Dr. Amy Martindale
https://cas.okstate.edu/advising
Academic support and career guidance resources are available for Arts and Sciences students.

Education and Human Sciences
101 Nancy Randolph Davis/405-744-5053
Contact: Ms. Kristi Seuhs
https://education.okstate.edu/undergraduate-students/
Academic support, advisement and career counseling is available to all Education and Human Sciences majors.

Engineering, Architecture and Technology
111 Engineering North/405-744-5276
Contact: Mr. Lance Millis
https://studentservices.okstate.edu/advising
Academic advising and career services are available for all CEAT
students. Tutoring is offered for general math, science, and engineering courses.

**Spears School of Business**
155 Business Building/405-744-2772
Contact: Ms. Marissa McIntyre
https://business.okstate.edu/student-services/
Academic advisement is provided for freshmen through seniors in all business major areas.

**University College Advising**
214 Student Union/405-744-5333
Contact: Mr. Nick Holmes
https://universitycollege.okstate.edu/uca/
University College Advising has academic advisors to help with your academic needs, whether planning your semester schedule, looking at degree options, or helping to bridge the gap between student life and academic success. Call or visit the office anytime Monday through Friday, between 8:00 a.m. and 5:00 p.m.

**DISCIPLINE SPECIFIC TUTORING**

**Accounting**
416 Business Building/405-744-2863
https://spears.okstate.edu/accounting/ace/
Support is provided to all students enrolled in classes offered by the OSU School of Accounting.

**Biology**
303 Life Sciences West
http://biol1114.okstate.edu
Tutoring is provided for BIOL 1114.

**College of Engineering, Architecture and Technology Tutoring**
ENDEAVOR 102/405-744-1750
https://ceat.okstate.edu/studentservices/tutoring.html
Tutoring is provided for Engineering and Engineering Science courses.

**The Language Lab**
205 Gunderson Hall/405-744-9547
http://languages.okstate.edu/
Two 28-user labs fully equipped with personal computers and listening/recording devices are available. Students may practice vocabulary building and grammar in the target language.

**Graduate Research and Writing Lab**
306 Edmon Low Library/405-744-1241
http://info.library.okstate.edu/RLS/grads
Offers one-on-one consultations, workshops, and other services for graduate students.

**History**
101 Social Sciences and Humanities/405-744-5680
http://history.okstate.edu/contact
Tutoring is given for Survey of History and upper division courses.

**Mathematics Learning Success Center**
5th Floor Edmon Low Library/405-744-5818
https://mlscokstate.com/
The MLSC is located on the 5th floor of the Edmon Low Library. We offer free drop-in mathematics tutoring for OSU and NOC students. For the Fall 2021 semester we will also offer online drop-in tutoring during our normal hours of operation on our Discord server. For more information about our services and hours of operation, visit our website.

**Writing Center**
440 Student Union/405-744-6671
http://osuwritingcenter.okstate.edu
The Writing Center helps writers throughout the composing process; plan to visit early and often throughout the semester, not just the day before an assignment is due. Tutors work with students to improve brainstorming, organizational, and composing techniques. Please check the website or call the Center about online tutoring options.

**FOR MORE INFORMATION**

go.okstate.edu/apps
The OState app is your link to campus departments, OSU news, and maps. The Rave Guardian app is the official safety app of OSU.

my.okstate.edu
This portal connects students to a wide range of campus services including links to student email, the library, and the Online Classroom and Community (Canvas).

For other comments and inquiries, please contact academics@okstate.edu.

Office of Academic Affairs
Revised as of 07/21/21