

CHEM 2425.001 - Organic Chemistry II

Course Syllabus: Spring 2024

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

Instructor: Drew L. Murphy, PhD (he/him/his)
Office: MS 115
Phone: 903.434.8214
Email: dmurphy@ntcc.edu

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities. Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
on Campus	845 - 1220	845 - 920	845 - 1050	845 - 920 1500 - 1750	None

Other times and Zoom meetings are available by appointment.

Course Description:

- Continuation of CHEM 2423. Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.
- This course consists of both lecture (3 hours) and laboratory (4 hours) each week.
- Prerequisite(s): CHEM 2423 with final grade of C or better
- Material in this course is cumulative and builds on itself, and future chemistry courses require knowledge from this course.

Course Structure and Overview:

- Course Format: Face-to-Face
 - Both the lecture and laboratory portions of this course will be conducted in the traditional face-to-face format during the scheduled times as posted.
 - Contingencies are in place, should the course need to transition to a virtual format.
- Lecture Sessions: **Tuesdays and Thursdays, 130-250pm**
 - Lecture will take approximately half to two-thirds of the class time, while the rest of the class time students will be working in small groups. Students will be required to work a paper quiz in small groups during each class period. Additionally, students are expected to work on assignments, problems, and studying a minimum of 3 hours outside of class for every one hour of class time.
 - Additional course material may also be presented fully online through videos and the course Blackboard page.
 - Exams consist of multiple-choice questions, short answer questions, calculation problems, and essay questions. For more information about exams, see the syllabus section on exams.
 - Exams will be conducted on-campus in person during the times scheduled.
- Laboratory Sessions: **Tuesdays, 300-650pm**
 - Detailed instructions, guidelines and descriptions of what is expected for laboratory sessions can be found on the following pages under the heading "Institutional/Course Policy". The course Blackboard page contains detail about what will be conducted in the laboratory sessions, what laboratory assignments are due, due dates, and rubrics.
 - Some days there will not be an experiment, and some days there may be additional lecture sessions during the lab time. Students are expected to follow posted schedules and the professor's instructions. On days with experiments scheduled, students should plan to be working in the lab for at least three hours.

Required Instructional Materials:

- Lecture Textbook
 - *Organic Chemistry* - Klein; 4th Edition with WileyPLUS
Digital Version with Access Code (ISBN # 9781119761075)
Publisher: Wiley
 - The required materials for the lecture portion of this course are available using INCLUSIVE ACCESS. This means that you paid a discounted price for the eText and WileyPLUS when you paid tuition for this course. You automatically have your access code for WileyPLUS.
- Lab Supplies
 - There is no printed lab manual for this course. The lab manual is provided through the course blackboard.
 - *Lab Notebook* - 100 Carbonless Self-Copying Pages; Copy Page Perforated
Spiral Bound (ISBN # 9780978534424)
Publisher: Barbakam
 - Lab Safety Personal Protective Equipment (PPE)
 - Approved safety glasses are available in the college store, and many safety glasses and safety goggles are also available from online retailers. Students who wear corrective-vision glasses must have elastic-strap safety goggles that cover the entire glasses and seal against the forehead. **Always check with your instructor before purchasing eye protection from somewhere other than The NTCC College Store.**
 - **Beginning Tuesday, January 30, students arriving to lab without proper safety glasses or goggles will not be allowed to participate in the experiment and will receive a grade of zero for that experiment.** Before that date, safety glasses/goggles may be rented from the instructor for the cost of five (5) points deducted from the behavior, safety, and teamwork (BST) grade.
- Molecular Model Set for Organic Chemistry
(ISBN # 0205081363)
Publisher: Prentice Hall
- Scientific Calculator
A scientific calculator is required for this course. A model TI-36x Pro or TI-30Xa is suggested, but many models will work; check with your instructor. **You will NOT be allowed to use a graphing calculator, programmable calculator, or cell-phone calculator during any exam in this course.**
- Pencils and Erasers
Pencil is mandatory for writing on quizzes and exams. A strong, sturdy eraser is required to ensure that your work is professionally presentable. Any papers submitted in pen will not be graded and will receive a grade of zero. **Any papers that are too sloppy, messy, or unreadable will incur severe point deduction or earn a grade of zero.** Pentel Hi-Polymer Eraser (#ZEH10) is the recommended eraser, but any good eraser will work fine.

Minimum Technology Requirements:

- Scientific Calculator - TI-36x Pro or TI-30Xa are recommended
- Wireless Internet capable laptop computer or tablet (Chromebooks are not recommended)

Required Computer Literacy Skills:

- Web browsing skills for working with the online homework system
- Ability to use Blackboard for access to course information
- Competent and professional emailing skills
- Functional use of MS Word and Excel for writing lab reports
- Video conferencing capability using Zoom or Teams through computer or mobile phone.

Communications:

- The major communication pathway between instructors and students in this course is face-to-face during lecture and laboratory sessions and during office hours. Students are expected to ask questions and participate in discussions during lecture and laboratory sessions.
- NTCC email is the official form of communication used by the college. Email communications from non-NTCC email addresses will not be answered.
- This course does not use TEAMS for any communication. Messages in TEAMS or Blackboard messages will not

be seen or answered. Use NTCC email for communication outside of class.

- Course announcements that occur outside of lecture and lab sessions will be announced via Blackboard's announcement feature. These will be cc'd to students via NTCC email.
- **Students are expected to check Blackboard and their NTCC email accounts regularly.**
- All grading policies and due dates for online homework assignments are listed in the online homework system.

Evaluation/Grading Policy:

- Course Grade Breakdown

○ WileyPLUS	10%	<i>Final course grades are rounded to the nearest whole number percent, and letter grades assigned using the grading scale.</i>	○ A = 100-90%
○ Quizzes	13%		○ B = 89-80%
○ Attendance	2%		○ C = 79-70%
○ Unit Exams	45%		○ D = 69-60%
○ Laboratory	25%		○ F = 59-0%
○ <u>ACS Final Exam</u>	<u>5%</u>		
○ Total Course Grade	100%		
- Grades will be posted to Blackboard throughout the course. Blackboard provides an approximate course grade, which is typically within 1-3% of the actual course grade. The instructor's gradebook is the last word in grades and is what decides the final grades for the course. At any time during the term, students can request to view their grades in the instructor's gradebook or can request a pdf copy of their grades.
- *Questions about what score on the Final Exam is required to earn a particular grade in the course will not be answered. Please do not ask.*

Exams:

- Seven unit exams will be given during the term. Unit exams are administered on campus in person as scheduled:

Exam 1*	Synthesis + Mass Spectrometry	Chapters 11, 14	Thurs, Jan 25	MS 124 - 130pm
Exam 2	NMR	Chapter 15	Tues, Feb 13	MS 124 - 130pm
Exam 3	Alcohols, Ethers, Epoxides, Thiols, Sulfides	Chapters 12, 13	Thurs, Feb 29	MS 124 - 130pm
Exam 4	Dienes, Pericyclic Reactions + UV-Vis Spectroscopy	Chapter 16	Wed, Mar 20 - Mon, Mar 25	Testing Center
Exam 5	Aromatics + Electrophilic Aromatic Substitution	Chapter 17, 18	Wed, April 3 - Mon, April 8	Testing Center
Exam 6	Aldehydes, Ketones, Carboxylic Acids	Chapters 19, 20	Tues, April 23	MS 124 - 130pm
Exam 7*	Enolate Ions + Amines	Chapters 21, 22	Thurs, May 2	MS 124 - 130pm

* Exams 1 and 7 are shorter half-exams.

- Exam dates are subject to change, if circumstances dictate it. Ample notice will be given verbally during class, in such instances. Under some rare circumstances, students may take exams in advance; this will be decided on a case-by-case basis in advance of the exam date. **There will be no make-up exams for missed exams without authorization before the exam date.**
- **The American Chemical Society (ACS) Standardized Two-Semester Organic Chemistry Final Exam** will be administered during the scheduled time according to the published Final Exam Schedule (also shown below). The ACS Exam is a nationally administered exam that covers topics from the year-long course in organic chemistry. Questions on this exam will cover topics from all of CHEM 2423 and 2425. This is a 70-question multiple choice exam with strict guidelines that will be discussed in class. This exam is challenging and will give students an idea as to how they perform relative to other students across the nation (community college and university) that take this test.

ACS Final Exam (110 min)	Two-Semester Cumulative	Thurs, May 9	MS 124 - 200pm
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Students with an exceptional performance on the ACS Final Exam - 80 percentile or above - will automatically earn a course grade of "A" for the semester, provided they meet the following criteria: (1) no grades of zero on any unit

exam, (2) no more than one unexcused lab absence for the whole semester, (3) a score of 50% or above on total ALEKS work for the semester, and (4) no more than three unexcused lecture absences during the semester.

- **Guidelines for in-person exams in this course:**

- At the instructor's discretion, students may be assigned seats during an exam period.
- Students are only allowed to bring pencils, erasers, and scientific calculators into the testing room.
- **Programmable calculators, graphing calculators, and cell-phone calculators are not allowed.** Sharing calculators will not be permitted.
- Bags, purses, etc. are not allowed at the student tables and should be stowed at the front of the room
- Cell phones are not permitted. Phones should be turned off and surrendered to the instructor during the exam. A student in possession of a phone once the exam has started will earn a grade of zero on that exam. If a student's phone sounds, disrupting the exam, that student will earn a grade of zero on the exam and be asked to leave the testing room.
- Watches are not permitted in the exam room; watches, and other personal electronic devices, must be stowed in a bag or surrendered to the instructor.
- Students will be provided with scratch paper and a formula sheet for each exam. Other papers or notes will not be permitted during the exam.
- Students that leave the testing room during the exam must turn in the exam to be graded and cannot return to the exam room until the testing period is over.
- A student found in violation of any of these guidelines during an exam period will earn a grade of zero on that exam.

- **Graded Exams will not be handed back to the student.** Students are required to review their graded exams with the instructor. Students can make an appointment to review their exams with the instructor at times outside of office hours as well. Reviewing the exam is an exam score out of five points. Students must review their exam before the start of the next exam to earn the full five points.

Institutional/Course Policy:

- **Students are expected to be working on assignments outside of class on their own time throughout the entire duration of this course.** For each hour that you spend in class, plan to spend a minimum of three hours out of class studying, reading the book, working on homework problems, etc.
- **Quizzes**
 - A quiz will be given during all lectures. Students who are absent from class will earn a zero on the quiz, and makeup quizzes will not be given.
 - In special cases, outside-of-class paper assignments may be accepted late; this requires prior authorization in advance of the due date.
 - **Late Quizzes:** *Quizzes that are "LATE" will earn a grade of zero; although, the late quizzes may be marked with comments for feedback on the content.*
 - **In-Class Quizzes:** *These quizzes are late when the instructor leaves the classroom. Quizzes not in the instructor's possession when they leave the classroom at the end of class are considered "LATE".*
 - **Take-Home Quizzes:** *These quizzes are considered late if they are not in the instructor's possession at the start of the class period. Take-Home Quizzes submitted to the instructor in any fashion once lecture has started are considered "LATE".*
- **Syllabus Quiz**
 - A **required** syllabus quiz will be administered at the start of the semester. The Syllabus Quiz is given through blackboard. This quiz is a binding agreement that you have received the syllabus and agree to its terms. The Syllabus Quiz is **due Tuesday, January 23 at 1159pm.** Students not completing the Syllabus Quiz by the census date - **Wednesday, January 31** - will be dropped from the class and not allowed to reenroll regardless of class participation.
- **Attendance**
 - Attendance is mandatory for this course.
 - You are expected to attend all classes. Chemistry is too hard to learn on your own. Some lecture material not found in the text may be presented during the semester that may show up on exams.
 - Attendance is tracked through the Blackboard Attendance feature.
 - Students who are late to class will lose attendance points.
 - Attendance points may be lost for attitude, teamwork, and/or other interpersonal issues.

- Online Homework
 - This course uses the WileyPLUS online homework system. Details about registering in WileyPLUS can be found on the course Blackboard page and will be discussed on the first week of class.
 - Assignments and due dates will be listed in the WileyPLUS system.
 - **Access to a computer with the internet is required for this course.** Computers are available on campus in the STEM Lab (MS 112) and the Learning Commons.
 - **Late Assignments: Assignments not completed by the assigned due date/time are late. Late work is accepted according to the policy described in WileyPLUS.**

- Electronic Devices Policy
 - Use of cell phones is prohibited during class and lab time. Students using phones for unapproved purposes during lab will be asked to leave lab and will earn a grade of zero on material for that lab period.
 - Students are not to be in possession of electronic devices (phones, music players, watches, computers, tablets, headphones, etc.) during an exam. Students found with devices other than scientific calculators during an exam will earn a grade of zero on that exam.

- Laboratory Experiments
 - There will be 11 experiments performed during the laboratory periods over the course of the term.
 - Any experiments not completed and turned in will receive a grade of zero.
 - Any student earning a zero grade on three or more "During Lab" assignments will earn a grade of "F" in this course.
 - A schedule of experiments will be provided as a separate handout.
 - It is the responsibility of the student to arrive to lab prepared for the correct scheduled experiment.

- Laboratory Conduct and Attire
 - Students are expected to adhere to the guidelines set forth in the "Commitment to Laboratory Safety Pledge" and in the safety video.
 - Students must wear long pants covering their ankles—closed shoes (no exposed skin or sock), and shirts that cover their shoulders.
 - Approved safety glasses/goggles are to be worn at all times in the lab. Students who wear corrective-vision glasses must have elastic-strap safety goggles that cover the entire glasses and seal against the forehead.
 - Long hair should be pulled back.
 - All jewelry - rings, watches, bracelets, etc. - should be removed.
 - Failure to follow laboratory safety protocols could result in injury to yourself or others and will result in reduction of your laboratory grade.
 - Students not dressed appropriately for lab will be asked to leave and will earn a grade of zero on that experiment.

- Laboratory Assignments
 - Details about laboratory assignments can be found on the course blackboard page.
 - **Prelaboratory Assignments are due by the beginning of the laboratory period.** Students not turning in a complete Prelaboratory Assignment will not be allowed to participate in that experiment and will receive a grade of zero on that experiment.
 - Unless otherwise stated, Lab Notebook Pages are due at the end of the laboratory period.
 - The typed Written Report will be submitted electronically via blackboard and is typically due one week after completion of the experiment.
 - Postlab Questions are due at the start of the following laboratory period.
 - Specific experimental and report details and due dates are listed on the course Blackboard page, and it is the students' responsibility to check for current requirements and due dates.

- Laboratory Evaluation/Grading Policy
 - *The laboratory portion of the course counts towards 25% of your overall course grade.*

▪ Regular Experiments	90% = 22.5% of course grade
▪ <u>Behavior, Safety, & Teamwork</u>	10% = 2.5% of course grade
▪ Total	100% = 25.0% of course grade
 - Copying answers on any work will not be tolerated. Lab papers that appear to have answers copied from other students or internet sources or that appear to have cheated in any way will earn a grade of zero.
 - Details about what is expected for laboratory assignments can be found on the course blackboard page.

- Specific experimental and report details and due dates are listed on the course Blackboard page, and it is the students' responsibility to check for current requirements and due dates.
 - Additionally, relevant rubrics can be found on the course blackboard page.
 - Students are expected to attend all laboratory periods. There is no make-up experiment, and failing to attend lab will earn you zero points for that experiment. "I have to work" is not an acceptable excuse for missing a laboratory period.
 - Leaving lab early is not permitted; students leaving lab before the experiment is completed without permission of their lab partner(s) and instructor may earn a grade of zero on that experiment.
- Withdrawal Date (Drop Date)
 - **Thursday, April 18** is the last day to withdraw from the course with a grade of "W". If you stop attending class and fail to officially withdraw, expect to earn a grade of "F" in the course.
- Student Athletes
 - It is the student athlete's responsibility to communicate with the instructor. If the athlete will be absent from class or lab, it is the student's responsibility to inform the instructor with as much advance notice as is logistically possible. Arrangements can be made for missed assignments, quizzes, experiments, exams, etc. with advance notice from the student. If no notice is provided from the student, missed assignments, quizzes, experiments, exams, etc. will not be excused and will earn grades of zero.
- Late Enrollment of Students
 - Students that have enrolled in the course after the start of the semester are still responsible for any course material from the start of the semester. Quizzes may be made up if the student discusses in-person with the instructor on their first day of class after enrollment. Otherwise, grades of zero will be given on these quizzes. WileyPLUS due dates will not be changed for late-enrolled students. Late assignment policies in WileyPLUS still apply.
- Extra Credit Opportunities

There are many ways to earn "Extra Credit" in this course. There will be no additional extra credit at the end of the semester to bump up student grades.

 - 10% of each exam is extra credit. Meaning students can earn up to 110% on each unit exam.
 - A percentage of WileyPLUS is extra credit such that the max score will be 125%.
 - Completing the course evaluation at the end of the semester will net the student 3 extra credit exam points, if they have the system send the "proof" email to the instructor. The email generated from the eval system is required to earn the points; screenshots and other emails will not count.
 - Additional extra credit opportunities may become available during the semester at the discretion of the instructor. These will be announced during class or on blackboard.

Tentative Course Timeline:

- The instructor reserves the right to make adjustments to this timeline at any point in the term.
- This course will cover most of the material in Chapters 11-22 the Klein text, additional material may be included if time permits. More detail can be found by examining the Table of Contents in the text and the detailed course schedule posted on Blackboard.

Week 1	Synthesis + Mass Spectrometry
Week 2	NMR Theory, EXAM 1
Week 3	NMR Analysis
Week 4	Alcohols
Week 5	EXAM 2, Alcohols
Week 6	Ethers, Epoxides
Week 7	Dienes, Cycloaddition, EXAM 3
Week 8	Pericyclic Reactions + UV-Vis Spectroscopy SPRING BREAK
Week 9	Aromatics
Week 10	Electrophilic Aromatic Substitution
Week 11	Electrophilic Aromatic Substitution, EXAM 5, Aldehydes & Ketones
Week 12	Aldehydes & Ketones + Carboxylic Acids
Week 13	Carboxylic Acid Derivatives
Week 14	EXAM 6, Enolate Ions, Aldol and Claisen Reactions
Week 15	Amines, EXAM 7
Week 16	ACS FINAL EXAM

Student Responsibilities/Expectations:

- This course covers a lot of material and moves rapidly, so do not fall behind.
- **The only way to learn chemistry is through practice.** You must be willing to spend time working problems from the textbook to be successful. If you are having problems with a particular topic, it may even be necessary to work problems from the textbook that are not assigned.
- At the first sign of trouble, you should seek help immediately. I am happy to help you with any of your chemistry coursework. However, if you wait too long to seek help, there is a point where there will be nothing I can do to help you.
- Work with a classmate on the homework, but do not just copy answers that you do not understand. There is a difference between working together and cheating.
 - **If it feels like cheating, then it is cheating.**
 - Assignments that appear to be copies of each other will earn grades of zero.
 - Students caught cheating will earn a zero on that quiz, lab, or any non-exam assignment and may earn a grade of "F" in the course for such actions.
 - **Students caught cheating on any exam, midterm exam, or final exam will earn an "F" in the course.**
 - Students with multiple instances academic dishonesty will earn a grade of "F" in this course.
- Do not wait until the night before a test to study. Almost everything we cover will come up again later in the class. If you learn the material only long enough to take an exam, you will not recognize it when we encounter it again. This will cause you to struggle through the entire course and to struggle through future chemistry courses.
- Questions and/or observations are encouraged during the class period. Courteous and attentive behavior is always expected. Students who consistently misbehave can expect to have their grade lowered.
- Like all colleges, Northeast Texas Community College strives to be a "community of scholars." Please remember that you and all of the students in this class are pursuing very important goals in your lives. As human beings and as scholars, I expect every student to be courteous and considerate toward other students throughout the lecture and laboratory portions of this course.

Course Student Learning Outcomes: Upon successful completion of this course, students will...

1. Correlate molecular structure with physical and chemical properties of organic molecules, and predict the chirality of reaction products based on enantiomeric and diastereomeric relationships.
2. Predict the mechanism and outcome of reactions, given the conditions and starting materials.
3. Describe reaction mechanisms in terms of energetics, reaction kinetics, and thermodynamics.
4. Use spectroscopic techniques to characterize organic molecules and subgroups.
5. Perform chemical experiments, analysis procedures, and waste disposal in a safe and responsible manner; utilize scientific tools such as glassware and analytical instruments to collect and analyze data; and identify and utilize appropriate separation techniques such as distillation, extraction, and chromatography to purify organic compounds.
6. Record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written reports.
7. In conjunction with laboratory experiments, correlate molecular structure with physical and chemical properties of organic molecules, and describe reaction mechanisms in terms of energetics, reaction kinetics, and thermodynamics.
8. In conjunction with laboratory experiments, predict the mechanism and outcome of reactions, given the conditions and starting materials, and predict the chirality of reaction products based on enantiomeric and diastereomeric relationships.
9. Use spectroscopic techniques to characterize organic molecules and subgroups, in conjunction with laboratory experiments
10. Formulate appropriate reaction conditions for the synthesis of simple organic molecules.
11. Identify organic molecules using appropriate organic nomenclature.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Absent a clear statement from a course instructor, use of or consultation with generative AI shall be treated analogously to assistance from another person (collusion). Generative AI is a subset of AI that utilizes machine learning models to create new, original content, such as images, text, or music, based on patterns and structures learned from existing data (Cornell, Center for Teaching Innovation). Unauthorized use of generative AI tools to complete an assignment or exam is not permitted. Students should acknowledge the use of generative AI and default to disclosing such assistance when in doubt. Individual course instructors may set their own policies regulating the use of generative AI tools in their courses, including allowing or disallowing some or all uses of such tools. Students who are unsure of policies regarding generative AI tools are encouraged to ask their instructors for clarification. **(Adapted from the Stanford University Office of Community Standards--accessed August 31, 2023)**

- **Extra Credit Opportunity:**

- As a reward for making it this far, email me a picture of an otter by 1159pm January 31, 2024 to get three extra credit exam points.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.