

EDISON STATE COMMUNITY COLLEGE

MLT 230

Clinical Chemistry

SYLLABUS PART II

Instructor: Vickie Kirk

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Office: 414 [Click here to schedule an appointment](#)

QUALIFICATIONS: MLS ASCP, MBA, Bluffton, 2008; BS Clinical Laboratory Science, Indiana

University of Pennsylvania, 1997;

Phone:381-1505

Class: MWF 9:00-1:35

Room: 344 and 314

		MONDAY	WEDNESDAY	FRIDAY
Week 1 Aug 24	Lecture	General Review; Carbohydrates and Diabetes; Chapters 1-4, 7	Amino Acids, Peptides and Proteins, Renal Function; Chapters 9, 11	Enzymes and Cardiovascular Disease, Chapters 10, 18
	Homework	Carbohydrate Self Assessment; Glucose Lab Preparation Exercise, Chemistry Chapters 1-4 Self Assessment	Renal Function and Proteins Self Assessment, Medtraining, Protein Electrophoresis SPE self assessment, Protein Case Study	Cardiac Self Assessment; Medtraining, Cardiac Markers; Enzyme Case Studies
	Laboratory	Lab 1, Package Insert Lab, Dilutions Lab, Making Serial Dilutions Venipuncture	Glucose lab spectrophotometer Establishing reference ranges Spectrophotometer Validation	Albumin Lab Troubleshooting lab
Week 2 Aug 31 TEST 1-due Sunday 8/31 at 11:59	Lecture	Liver Disease and Pancreatic Disease; Chapters 16, 17, 19:	Lipids and Electrolytes, Chapters 8, 12	Chapter 13, Blood Gases and Acid Base
	Homework	Hepatic Function Self Assessment; Hepatic Case Studies	Lipids and Electrolytes Self Assessment	Acid-Base Self-Assessment
	Lab	Serum Protein electrophoresis- Edvotek Labs Open Lab,	Serum Protein electrophoresis- Edvotek Labs Open Lab, Creatinine Clearance Lab Preparation Exercise	Total Protein Lab
Week 3 Sept 8 TEST 2-due Sunday 9/7 at 11:59	Lecture	HOLIDAY	Hormones, Pituitary and Adrenal, Chapters 5, 14, 15	Thyroid function and Reproductive hormones, Minerals, Chapters 20, 23, 24
	Homework		Endocrinology Self Assessment	Vitamins, Minerals and Trace Elements Self Assessment
	Lab		Easy RA and BS 200 Electrolytes	Easy RA and BS 200 Electrolytes
Week 4 Sept 15 TEST 3 -due Sunday 9/14 at 11:59	Lecture	TDM, Toxicology, Tumor Markers, Molecular Diagnostics; Chapters 6, 21, 22,	Review	FINAL EXAM
	Homework	TDM Self-Assessment, Molecular Diagnostics Self-Assessment	BOK outline review	PRACTICAL EXAM spectrophotometer and electrolyte analysis

	Lab	Marketing		Put away equipment and prepare for Micro
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GRADING

The grading scale for the MLT program is:

100-93 = A

92-83 = B

82-75 = C

Below 74.5 is failing

EVALUATION POLICIES

Students are required to achieve a 70% on their final exam to pass the course. They must maintain a C in the MLT courses to continue in the program.

Final grades will be based on the following scale:

LECTURE (KNOWLEDGE)

Quizzes	20%
Final Exam	20%
Homework	<u>15%</u>
	55%

LABORATORY (SKILLS AND KNOWLEDGE)

Laboratory sessions	20%
Practical exam	<u>20%</u>
	40%
Professionalism	5.0%
Total:	100%

PROFESSIONALISM/ATTITUDINAL: (SEE STUDENT HANDBOOK)

The following professional behavior/attitudes will be assessed during the semester:

Ability to follow instructions
Punctuality and Attendance
Interest and Enthusiasm
Integrity
Organization
Persistence
Cost Containment

LABORATORY REPORTS

All lab reports are due by Sunday at 11:59. Grades for late lab reports will be reduced by 20%. There will be no makeup labs; if you must miss a lab, you will receive a zero for that day's lab report, or you may make up on your own time and turn in the next lab period.

MAKE UP EXAMS

Grades on makeup exams will be reduced by 20%--make sure you are here on days of exams.

ACCOMMODATIONS /ACCESSIBILITY AND DISABILITY SUPPORT SERVICES POLICY

Edison State Community College will make reasonable accommodations for students with documented disabilities. If you believe you may need an accommodation based on the impact of a disability, contact the instructor privately with your self-identification letter. If you do not have a self-identification letter, contact Accessibility and Disability Support Services by emailing disabilities@edisonohio.edu or by calling 937.778.7850. Accessibility and Disability Support Services is located on the Piqua Campus in Room 160.

ADVISING SERVICES

Edison State's career pathway advisors are your partners in success. A career pathway advisor is the first advisor that you will meet with once you have made the decision to further your education. Together, you and your career pathway advisor will:

- Identify the right academic major to set you on your desired career path.
- Identify the courses you'll need to accomplish your academic goals.
- Help you develop a student plan tailored to your lifestyle and work schedule.
- Prepare you to navigate your first semester at Edison State.

You can find your career pathway advisor and faculty advisor information, including their email address, by logging into MyESCC and clicking on Student Planning. Go to Plan and Schedule and click on the Advising tab. You may also call 937-778-7850 to connect via phone call.

BOOKSTORE SERVICES

The Edison State Bookstore is here for all your educational supplies including textbooks, access codes, technology, and more! Online at <https://edisonohio.ecampus.com>

CAREER AND JOB SERVICES

Our Career and Job Services advisors are dedicated to helping students and alumni advance their professional development as they make career decisions, develop job search strategies, pursue experiential opportunities and secure employment. Career and Job Services also provides career assessments, career information, resume and cover letter help, job postings and resources, tips for interviewing and more. Visit <https://www.edisonohio.edu/Career-and-Job-Services/> for more information.

COMPUTERS

If you are working on campus, computers with internet access are available in the internet café. The Library and Tutoring Center has computers and printers available for your use.

STUDENT WELLNESS

College is stressful! Feeling burnt out, anxious, frustrated? When challenges arise, it's helpful to have someone to talk to. We have partnerships established with many local mental health providers and can connect you with area resources.

SUPPORT SERVICES AVAILABLE

Edison State has built a network of health professionals to support students. With these partnerships, students who need support in areas such as:

Recovery and counseling referral

Housing

Food

Physical well-being

INFORMATION AND EDUCATION

We also provide information and education on the topics of:

Alcohol and drug abuse and prevention

Sexual assault prevention and awareness

Building healthy relationships

Inclusion and belonging
Survivor support
Self-care
Anti-hazing

GETTING HELP

If you are struggling and need to speak with someone in person, please reach out to Student Affairs, at 937-778-7895, Room 160 (stop at the front desk).

EMERGENCY RESOURCES

If this is a medical emergency, please call 911. If this is a mental health emergency, please call 988.

LIBRARY SERVICES

The Edison State library is not only a comfortable place to study, we have an expansive collection of online resources available to help you with your research. Check out the library webpage here: <https://www.edisonohio.edu/Library/>. Libguides and short instructional videos are available to help you use these resources and can be found at: <https://libguides.edisonohio.edu/>. Please contact the library staff with any library questions you may have at library@edisonohio.edu, 937-778-7950, or stop in!

STUDENT RESOURCE CENTER AND CHARGER STATION FOOD PANTRIES

Edison State Community College is proud to assist students needing help to obtain basic necessities. The Student Resource Center and Food Pantry is stocked with all kinds of grab-and-go snacks, meal supplies, toiletries, household needs, and community resources. Stop by and check out our Charger Stations in Room 060 at Piqua, in the student lounge at Troy, in the Brooke-Gould Learning Resource Center at Eaton, and in Room 121 (for personal care items) and pantry items in the student lounge at Greenville.

TECHNICAL SUPPORT SERVICES

For Blackboard Assignment issues, the instructor should be the first point of contact.

For Log-in or other technology issues: There are several steps you can follow if you have issues logging in to Blackboard or Office.

During business hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts.
- Reach out for help during regular business hours (9-5 Monday-Thursday, 9-4 Friday)
 - email to support@edisonohio.edu
 - call 937-778-8600 and ask for IT Help Desk

After hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts
- Go to www.edisonohio.edu into the Resources tab and click "IT Help Desk" then click "Chat".
- Call 937-778-7957 and talk to the off-campus Blackboard company to get help

TESTING YOUR FAITH ACT POLICY

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, <https://www.edisonohio.edu/Registration-and-Records/> and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <http://stage.edisonohio.edu/digipub/StudentHandbook/index.html>

TITLE IX STATEMENT - Anti-Discrimination, Harassment and Bullying

It is the policy of the College to maintain a learning environment free from bullying, discrimination, sexual harassment or sexual violence. Title IX federal law protects students, employees and third parties with a relationship to the college.

All Edison State Community College employees are required to report all knowledge of incidents that violate the Title IX policy to the Title IX Coordinator or Deputy Title IX Coordinator immediately. Student and employee confidential consultation is available through the Coordinator of Health and Wellness Services. Title IX Policy and procedure language as well as contact information for the Coordinator of Health and Wellness, Title IX Coordinator and Deputy Title IX Coordinator can be found at www.edisonohio.edu/TitleIX/.

TUTORING SERVICES

All Edison State students are eligible to receive free tutoring and learning support services through our Tutoring Center. Available services include Edison State tutors, both online and in-person, covering a wide variety of courses including various levels of math and paper reviews, online tutoring through OhioLINK eTutoring, distraction-reduced study rooms, and the use of Tutoring Center resources including subject-specific and general study guides. For more information on tutoring services, visit the Tutoring Center in the Library, email us at tutoringcenter@edisonohio.edu, call 937-778-7959, or visit our webpage at <https://www.edisonohio.edu/tutoring-center/>

ADDITIONAL SUPPORT SERVICES

For additional help, please click the ASSIST tab on Blackboard or the Edison State Student Resources folder within your course.