



District Department Chair Council REQUEST FOR NEW COURSE/PROGRAM

	To: District Department Chair Council	
Date: 09/25/24	H.S. CR Approval <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DDCC Approval <input type="checkbox"/> Yes <input type="checkbox"/> No
From: (Person & Building) Rosa Everitt, Randy Morgan, Andrew McDonald	Board Sub. Committee Approval <input type="checkbox"/> Yes <input type="checkbox"/> No	Board of Ed. Approval <input type="checkbox"/> Yes <input type="checkbox"/> No

DISTRICT DEPARTMENT CHAIR COUNCIL RESULTS		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Revision Necessary	Recommendation:	
High School Signature: Stephen C. Tighe	Digitally signed by Stephen C. Tighe Date: 2024.10.25 08:52:57 -04'00'	Date: 10/25/24
Middle School Signature:	Date:	
Upper Elementary Signature:	Date:	
Lower Elementary Signature:	Date:	

New ideas and different ways of doing things will be encouraged when ideas are clear and planning is consistent. The questions that follow are designed as a guide for planning a request for proposal. If further assistance is needed, please contact the Assistant Superintendent of Teaching and Learning.

Rationale for New Course		
<p>The strengths and weaknesses of the current curriculum are assessed. The best practices and technologies in the field are researched. State and national standards are reviewed. The record of past student performance is analyzed (i.e. data such as MSTEP/PSAT/SAT results, common assessment results, state standards, surveys and visitations to other programs/schools).</p>		
Course Name: Medical Foundations II	Grade: 11-12	Credit: 1.0
Prerequisite: Medical Foundations		
<p>Course Description: Students will build on the knowledge and skills gained in Medical Foundations. This class contains both in-class and field experience. Students will research, observe, practice, and be evaluated on various healthcare scenarios and skills. Students will gain career readiness skills by working with local healthcare providers at their facilities. Students will have class discussions on specific observations from their field placement and build a health science career portfolio. Students will also be prepared to take the Patient Care Technician Certification Exam and become certified prior to graduation. Participation in Health Occupations Students of America (HOSA) is highly recommended.</p>		
<p>Content Expectations: Students will explore topics including: the role of the PCT, professional and work ethics, communication in a healthcare setting, understanding the patient including patient rights, ethics, and laws, body growth and development, pain management, comfort, rest, and sleep, asepsis and infection control, workplace safety and body mechanics, patient transfers and preventing patient falls, basic emergency care, assisting with physical exams, taking vitals, performing EKGs, bedmaking and patient hygiene, assisting with medications, nutrition and fluids, urination, bowel evacuation, oxygen needs, collecting and processing blood and other body fluids, surgical patient care, wound and pressure ulcer care, rehab/restorative care, mental health care, elderly care, chronic condition care, and end-of-life care.</p>		
<p>Rationale: Health Occupations is one of the targeted areas in Oakland County. Currently, there are not enough people going into the Health Science field. The expected growth rate for jobs in the Healthcare field is expected to grow anywhere from 16-30% between the years 2020-2030 according to Michigan's Hot 50 Job outlook. According to Xello, over 200 students at the high school are interested in fields in Athletic Training, biological sciences, medicine, physical therapy, anesthesiology, nursing, and pediatrics.</p>		

Who else was consulted in the creation of the new course?

Stephen Tighe, Wendy Burns, Andrew McDonald, Randy Morgan, Rosa Everitt, and several community members on our health science advisory board including Lake Orion Fire, faculty of the nursing school at Oakland Community college, an emergency room nurse, and more.

How will you evaluate the effectiveness of this new course?

What evaluative instruments and methods will be used?

Healthcare Skills Rubrics, state certification exam results (patient care technician), follow up surveys

Timeline

New course begins on date: **09/09/2025**

New course ready for review after date:

Reason for choosing this date:

The 2025 school year will provide students the opportunity to continue in the health science program at LOHS. Medical foundations II will be instrumental to giving students the opportunity to be certified as a patient care technician before graduation. It will also be key to LOHS HOSA members' success at competitive events in the 25-26 academic year. Many HOSA events have various skills components where students demonstrate their ability to do specific medical techniques (i.e. CPR/first aid, taping an ankle, administering medication, transferring a patient, etc.).

Budget: (Please Note: A new course can be approved without funding)

- Professional Development/Training _____
- List all funding sources _____
- Pilot _____
- Personnel _____
- Facilities _____
- Methods _____
- Materials (ie, text, software, manipulatives, technology) _____

Specify detailed budget below:

- Funding through CTE
- Course materials
 - Staff professional development
 - Organizational memberships (HOSA, etc)
 - Student certification exams



LAKE ORION HIGH SCHOOL

Medical Foundations II

Credit 1.0

CTE Program - Health Science

Teacher Contact Information

Teacher: Randy Morgan and Andrew McDonald

Email: randy.morgan@lok12.org and Andrew.Mcdonald@Lok12.org

Classroom:C303

Skill Lab:C302

Class Description

Students will build on the knowledge and skills gained in Medical Foundations. This class contains both in-class and field experience. Students will research, observe, practice, and be evaluated on various healthcare scenarios and skills. Students will gain career readiness skills by working with local healthcare providers at their facilities. Students will have class discussions on specific observations from their field placement and build a health science career portfolio. Students will also be prepared to take the Patient Care Technician Certification Exam and become certified prior to graduation. Participation in Health Occupations Students of America (HOSA) is highly recommended.

Pre-requisite:

Students should be active members of LO HOSA and have passed Medical Foundations I

Course Objectives:

Upon completion of this course, the student will be able to:

1. Demonstrate proficiency in the following patient care technician concepts and skills:

- the role of the patient care technician
- understanding the patient: rights, ethics, and laws
- pain management
- comfort, rest, and sleep
- patient transfers and preventing patient falls
- assisting with physical exams
- performing EKGs
- bedmaking
- patient personal hygiene
- assisting with medications
- nutrition and fluids
- urination
- bowel evacuation
- oxygen needs
- collecting and processing blood and other body fluids
- surgical patient care
- wound and pressure ulcer care
- rehab/restorative care
- mental health care
- geriatric care
- chronic condition care
- end of life care

Class Materials

Binder/Folder Notebook Pencils/Pens Scrubs
Laptop Laptop Charger

A donation per student for our classroom would be much appreciated. Needs include:

- 1 box tissues - Clorox wipes - 1 pack/box EXPO markers

Classroom Resources:

Fundamental Concepts and Skills for Patient Care Technician 2nd Edition + Online Resources
DHO Health Science Career Exploration and Skill Development Textbook
American Heart Association (AHA)/American Red Cross Instruction material for certifications

Skills Lab Resources:

The Lake Orion Career and Technical Education Department has invested a significant amount of money and time in securing equipment and supplies for medical foundations students including:

- Stryker hospital bed
- Hoyer lift
- Wheelchairs
- Walkers
- Crutches
- Canes
- Over the bed table
- Soiled linen cart
- Linens
- Pillows
- Blood pressure cuffs
- Stethoscopes
- Pulse oximeter
- Oral and otic thermometers
- Gait belts
- Emergency backboard
- Dialysis tubing and drainage bags
- Catheterization training kit (M & F)
- Snellen eye chart
- Reflex hammers
- Dilation Pen Lights
- Spirometers
- AMBU bags
- Splints
- Patient gowns
- Blood glucose monitors
- AED trainers
- Epipen trainer
- CPR manikins
- Choking adult mannequins
- Extremity tourniquets
- Glo germ light
- Ostomy demo kit
- Safety vests
- Isolation gowns and much more....

Grading Practices and Grade Weighting

93-100 A	80-82 B-	67-69 D+
90-92 A-	77-79 C+	63-66 D
87-89 B+	73-76 C	60-62 D-
83-86 B	70-72 C-	59-below E

Classroom Policies and Expectations

This course uses a variety of teaching methods to help the student meet the course objectives. Online programs, small group discussions, skills, lectures, and demonstrations/practice will be utilized to allow the student to progress in a facilitated manner. Interest in a health care field, the ability to work both independently and in groups, computer skills, and an interest in science are all necessary for success in this course

Attendance

This is an easy one, be here on time. I follow the school's attendance policies, so *please refer to the student handbook*. **GOOD ATTENDANCE IS VITAL TO SUCCESS IN THIS COURSE**
Upon returning from an absence, it is the **student's responsibility** to find out what was missed.

Safety (Students will turn in a student laboratory contract)

- Always conduct yourself in a responsible manner in the laboratory
- Follow all written and verbal instructions carefully. If you do not understand a direction or part of a procedure, ask the instructor before proceeding.
- Never work alone. No student may work in the laboratory without an instructor present.
- When first entering a science room, do not touch any equipment, chemicals, or other materials in the laboratory area until you are instructed to do so.
- Do not eat food, drink beverages, or chew gum in the laboratory. Do not use laboratory glassware as containers for food or beverages.
- Perform only those skills authorized by the instructor. Never do anything in the laboratory not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral.

Cell Phones

Cell phone use will not be tolerated during class outside of prompted/approved use for academic purposes. Students are expected to put their phones in their respective holder slot in front of class and keep it there unless otherwise specified. Insubordination regarding electronic devices in class/lab will lead to consequences according to school policy.

Grading:

Your overall term grade is based on points earned out of points possible. Points come from tests, quizzes, skills, and packets. The term grade is 70% tests and quizzes, 30% coursework. We are also big on formative assessment (bell ringers). These are weighted 0% unless you fail to do them. Students who choose not to do bell ringers at the time they are assigned will have a 100 pt assignment added to the course work category and will receive a zero. Please do your bell ringers every time one is assigned. Your final letter grade will be determined using the grading scale in your student handbook. PowerSchool will be updated regularly. It is the students' responsibility to check the accuracy of marks in PowerSchool. Please bring any discrepancies to my attention.

Make-up Policy:

Students have the number of days absent +1 following your return to make up quizzes, tests, or labs. If you cannot make it up within that time, or have an extended absence, see me before the deadline. If you schedule a make-up appointment and you fail to show up, it is a zero.

Test Retake: (at the teacher's discretion)

If you fail an assessment, you may have one opportunity to retake/remediate. To qualify you must meet ALL of the following:

- Scored less than 80% on the original
- Had your work done and handed in the day of the assessment
- Signed up for a retake and followed through when scheduled

Note: We will take the better of the two scores.

EDPUZZLE:

Some of our instructional videos will involve the use of EDPUZZLE. If you do not have an account, you will need to create one and join our class EDPUZZLE. The link and class code can be found in your one note notebook.

Academic Misconduct/Plagiarism:

Academic Misconduct is a disciplinary issue that will result in progressive consequences. A student's record is cumulative.

- First Offense: Opportunity to redo assignment; disciplinary consequence may range from detention (for daily assignments, quizzes, etc.) to suspension (for cumulative or summative assessments, projects, long essays, etc.). Student may be assigned work to understand and prevent future academic misconduct.
- Second Offense (and beyond): Student will be given an academic consequence, such as "zero" on the assignment; standard disciplinary consequence is one to two-day suspension with assignment to understand and prevent future academic misconduct.

Work Based Learning (WBL)

The term "work-based learning" means sustained interactions with industry or community professionals in real workplace settings. CTE programs provide Work Based Learning experiences for each student related to the program area being studied. High-quality work-based learning opportunities integrate academic concepts, technical standards, and employability skills. Worked Based Learning is not simply a job. Lake Orion High School offers various Work Based Learning opportunities including guest speakers, field trips, and internships.

Student Leadership/CTSO Opportunities

HOSA: Future Health Professionals is a student organization for health students and has over 230,000 members nationwide. HOSA provides a unique program of leadership development, motivation, and recognition. HOSA is a powerful instructional tool that is best integrated into the health occupation education classroom. Membership is strongly encouraged.

College Credit/Articulation Agreements

College credits may be available through articulation agreements and/or direct credit. To view these agreements, go to the CTE website.

Credential Opportunities

In this course, students will have the opportunity to earn the following certifications;

- American Heart Association in BLS for Healthcare Provider
- American Heart Association Heart Saver First Aid
- American Heart Association Bloodborne Pathogens
- Students who successfully complete the Health Science Program can earn certifications in Patient Care Technician, Emergency Medical Technician, or others depending on any independent work they chose to do.

AI/NLP

Students are allowed to use AI/NLP tools in the school setting if they receive prior permission/consent from their teacher, so long as they use the AI/NLP tools in an ethical and responsible manner. Teachers have the discretion to authorize students to use AI/NLP tools. Students who use AI/NLP in a way other than outlined above, or in a manner that violates the LOCS Acceptable Use of Technology Agreement, may have their technology privileges suspended, revoked, or be subject to other disciplinary measures.