



Request for Curriculum Change

New Course Proposal

Date: **November 1st, 2019**

Department/Subject: **Science/Biology**

Person(s) initiating the request: **Kelli Frericks**

Department members involved in the development of the course proposal: **Kelli Frericks**

School(s): **Forest Lake Area High School**

Grade(s): **12th**

Course Title: **College in the Schools (U of MN) - Human Physiology, Technology and Medical Devices**

Describe the process that led to this request for a new course: **Student request to make our current Human Anatomy course into a College in the schools course so they can earn college credits. The science department is also looking at new elective course offerings to offer students that fulfill the 0.5 elective requirement and connect to our other health career courses.**

Specific Information to Accompany Request

Course Outline/Learner Outcomes

Complete a [Course Outline](#) for your proposed course and submit it with your proposal.

Budget Considerations

Check any of the following that will be needed for your proposed course and indicate the anticipated cost for each:

Textbooks

Title(s):

- **Visual Essentials of Anatomy & Physiology**, Martini, F., Ober, W., Bartholomew, E., Nath, J. (2012), Benjamin Cummings
- **The Digital Doctor**, by Dr. Robert Wachter.

Approximate total cost: **\$35.00 - Used on Amazon, \$15.99 - Amazon**

Digital Curriculum Resources

Title(s): **National Center for Case Studies**

Approximate total cost: **\$25.00**

One-time cost or annual renewal? **Annual Renewal**

Other Curriculum Materials (consumables, supplies, ancillaries, etc.)

Materials: **Dissection specimens (Sheep hearts, kidneys, & brains earthworms & Fetal pigs)**
POGIL Activities for Introductory Anatomy and Physiology Courses

Consumable/non-consumable? **Consumable, non-consumable**

Approximate total cost: **\$1,200, \$34.95**

Technology Devices/Equipment/Hardware

Devices/equipment needed: **Vernier Probeware: EKG Sensor & Heart Rate Monitors**

Approximate cost: **\$134.00 (x3-5), \$89.00 (x3-5)**

Staff Development

Staff Development description: **CIS Teacher Workshop at the U of MN Campus**

Approximate cost: **\$300 (Sub costs)**

Frequency (one time? yearly?): **Yearly**

Effects of the New Course Proposal

Provide a brief explanation for any of the following the new course proposal will affect:

Current curriculum: **Accelerated and college credit bearing course for students that are looking into a health career outside of high school.**

Programs in other departments/grade levels: **Elective that would directly connect with our health career courses: EMR, EMT and Nursing Assistant.**

Credit requirements: **1.0 science elective**

___ Prerequisite requirements: **General Biology or Advanced Placement Biology, General Chemistry A&B or AP Chemistry - earning a B or better.**

___ Staffing: **Life Science teacher with 18 Masters credits (CIS Requirement)**

___ Space allocation: **Science classroom w. attached lab**

___ Master schedule: **Taught on a 50 min (Skinny) class for a full year.**

___ District Technology impact: **None**

___ Other:

Signatures

Signatures indicate agreement with the course proposal.

Brad Ward

Administrative Department Lead

John-Paul Jacobson

Forest Lake Area Middle School Principal

Kelly Lafean

Forest Lake Area Community School Principal

Jim Caldwell

High School Principal

Diane Giorgi

Director of Teaching and Learning

Kelli Frericks - Course Instructor