EXSC 1590: Technology in Industry

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 3
Lab Hours/Week: 0
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: None

Students will explore and apply various technologies used in the fields of exercise science and healthcare. Students will learn to create, format, and edit documents, worksheets, and presentations using Microsoft Word, Excel, and PowerPoint. The course will cover the proper handling and management of client health information and ethical standards related to privacy in information management. Students will also explore the use of wearable exercise technology, industry-specific software, public-facing applications, and social media in the fields of exercise science and healthcare. Upon completion of this course, students will be able to demonstrate effective communication skills in written and oral presentations related to professional conduct and apply critical thinking skills to assess the effectiveness and appropriateness of various technologies in the exercise science and healthcare fields.

B. COURSE EFFECTIVE DATES: 05/10/2023 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Explore and apply documentation used within the field of exercise science
2. Explore and apply documentation used within the healthcare field
3. Discuss secure handling of client health information
4. Create, format, and edit Word documents with pictures
5. Create, format, and edit Excel worksheets
6. Create, format, and edit PowerPoint presentation with pictures
7. Evaluate wearable exercise technology
8. Investigate industry specific computer software and public facing applications (apps)
9. Explore the use of social media in the exercise and healthcare fields
10. Analyze technology use in physical performance assessment

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate documentation used within the exercise science field.
2. The learner will create a Microsoft Word document, a spreadsheet in Microsoft Excel, and a presentation using Microsoft PowerPoint.
3. The learner will explore technologies utilized in exercise science and healthcare fields.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted