Normandale Community College
Common Course outline

I.   EFFECTIVE DATE OF OUTLINE
Fall semester, 2016. To be reviewed by department annually.

II.   CATALOG DESCRIPTION
COMT 1107 Introduction to Computer Technology
4 credits
Offered: Fall, Spring, and Summer
Prerequisites: none
Course description**:** Topics associated with computers and computing; input/output; central processing unit; storage devices; networking, social media, programming languages; operating systems; PC software programs; security and privacy issues; and, trends in computing.

III. RECOMMENDED ENTRY SKILLS/KNOWLEDGE
Reading level 3, English level 2, Math level 1

IV.   MAJOR CONTENT AREAS (TOPICS)
The course provides an overview of computer hardware, software and how these components work together to process data and create meaningful information. The basic architecture of computer hardware, input/output, networking, application and system software, and the role of the Helpdesk Analyst will be discussed.

V.   LEARNING OUTCOMES
Upon successful completion of the course, the student should be able to:
a) understand the basics of computer-based systems
b) define the various computer "sizes" from micros to super computers
c) distinguish between various productivity tools
d) appreciate computer processing and its applications
e) identify various Input/Output elements of a computer system
f) distinguish between main memory and secondary storage
g) know appropriate tasks for standard application packages
h) appreciate when custom software is an appropriate solution
i) understand the basic elements of connectivity/networking
j) understand applications of database management systems
k) appreciate some of the social issues caused by computerization

VI.   METHODS USED FOR EVALUATION OF STUDENT LEARNING
Participation in online learning activities, online labs, weekly quizzes, mid-term exams, and final exam

VII. SPECIAL INFORMATION
None