

# Healthcare Technologies Mgmt (HCTM)

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## **HCTM 6200 Health Care Technology Assessment (3 credits)**

Introduction to health care technology assessment methods for hospital systems and medical businesses encompassing technical, clinical, and business elements. Topics include: clinical results analysis, gold standard comparison, Bland-Altman analysis, sensitivity/specificity analysis, and business trade-off analysis. Extensively uses case studies of present and developing medical technologies as examples of applied assessment methodologies.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206200>)

## **HCTM 6400 Ethics of Technology Utilization (1.5 credits)**

Survey on ethics applied to the utilization and management of technologies in a patient care setting, including topics such as: beneficence, nonmaleficence, quality-cost, resource allocation, and personal-public conflicts, technology diffusion models and controls, clinical research and research integrity, and patient rights and confidentiality. Offered summer term. HCTM 6400 is required in the HCTM program. Taught online.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206400>)

## **HCTM 6500 Management of Medical Product Development (2 credits)**

Presents requirements for the design, development, and commercialization of new medical devices with an emphasis on management of the product development process. Topics include: formation and management of effective teams, creating an environment conducive to creativity and innovation, managing the R&D/Marketing and R&D/Manufacturing interfaces, motivation of technical personnel, and others.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206500>)

## **HCTM 6931 Topics in Health Care Technologies Management (1 credits)**

Focuses on the transition from engineer to manager. Includes communication skills, effective interviewing for managers, conducting performance appraisals, facilitating effective meetings and decision making/problem solving in groups, management and leadership of technical personnel, team building and conflict management. S/U grade assessment.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206931>)

## **HCTM 6946 Medical College of Wisconsin/HCTM-Joint Degree (1-3 credits)**

Registration for this course allows students in the joint Marquette University/Medical College of Wisconsin health care technologies management program to take courses at the Medical College of Wisconsin to fulfill the elective requirements of the program.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206946>)

## **HCTM 6995 Independent Study in Health Care Technologies Management (1-3 credits)**

Faculty-supervised, independent study/research of a specific area or topic in Health Care Technologies Management.

*Prerequisite:* Cons. of prog. dir. Consent required.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206995>)

## **HCTM 6998 Professional Project in Health Care Technologies Management (1-3 credits)**

During the first term, students identify a project or internship involving the management of health care technologies, and present it to the faculty for approval. Project selection based on the career goals and interests of the student. Faculty and industry/hospital advisers assist students. Project completed during the third term and a final report presented to the faculty.

*Level of Study:* Graduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=HCTM%206998>)