



**Mahidol University**  
Faculty of Tropical Medicine  
Department of Tropical Hygiene

**FULLY ASYNCHRONOUS  
ONLINE LEARNING**

**TMHG 545**

**2 CREDITS 30 HOURS**

DESIGNED BY MAHATSANAN PHONANARAT

Mahidol University Faculty of Tropical Medicine

**CORE**

**BHI Online**

**20 NOV - 15 DEC 2023**

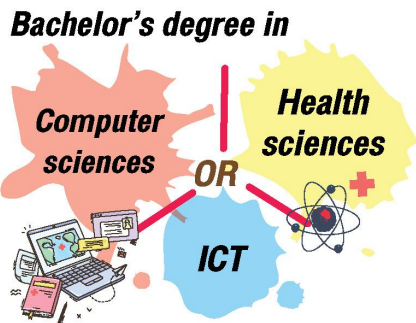
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# INFORMATION SYSTEM DESIGN AND IMPLEMENTATION IN HEALTH CARE

- Strategic plan design and implementation
- Principles of Information Security (data confidentiality, integrity, and availability).
- Application of relevant technologies to secure e-PHI
- Security solutions, data encryption, hashing, system redundancy, load balancing, failover, backup, restoration, and disaster recovery
- Introduction to RDBMS, database design, and system analysis



**PREREQUISITE:** **REGISTRATION FEE:**



**9,000 THB**  
for international students

**4,500 THB**  
for Thai students



For more information

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