

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Health Management
Course number	AMSR2180
Faculty	
Department	
Course type	Major Needs
Course level	2
Credit hours (theoretical)	1
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

1	- To understand the principles of health management and their application within the radiology department.
2	- To develop skills in strategic planning and resource allocation for optimal departmental performance.
3	- To enhance knowledge of financial management techniques, budgeting, and cost control within the radiology department.
4	- To explore quality improvement methods and initiatives to enhance patient care and outcomes in the radiology department.
5	- To understand the regulatory and compliance requirements specific to the radiology department and ensure adherence.
6	- To develop leadership and communication skills necessary for effective management within the radiology department.

#### Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> <li>* Demonstrate a comprehensive understanding of health management principles and their application in the radiology department.</li> <li>* Explain the role of strategic planning in optimizing the performance of a radiology department.</li> </ul>
Intellectual Skills	<ul style="list-style-type: none"> <li>* Analyze and evaluate healthcare management strategies and their applicability to the radiology department.</li> <li>* Synthesize information from various sources to make informed decisions regarding resource allocation and optimization within the radiology department.</li> </ul>
Professional Skills	<ul style="list-style-type: none"> <li>* Lead quality improvement initiatives to enhance patient care and outcomes in the radiology department.</li> <li>* Demonstrate effective leadership and communication skills within the radiology department.</li> </ul>
General Skill	<ul style="list-style-type: none"> <li>* Work effectively in a team and collaborate with colleagues in the radiology department.</li> <li>* Adapt to changing healthcare environments and apply management principles accordingly.</li> </ul>

## Course Contents

- 1 - Overview of health management principles and their application in radiology.
- 2 - Roles and responsibilities of radiology managers and administrators.
- 3 - Healthcare policy and regulations impacting radiology management.
- 4 - Strategic planning models and frameworks for radiology departments.
- 5 - Organizational structure and design in radiology management.
- 6 - Financial planning and analysis in radiology departments.
- 7 - Cost containment and revenue enhancement strategies in radiology.
- 8 - Quality management systems and processes in radiology.
- 9 - Performance metrics and benchmarking in radiology services.
- 10 - Continuous quality improvement and patient safety in radiology.
- 11 - Recruitment, selection, and retention of radiology personnel.
- 12 - Staff training and development in radiology departments.
- 13 - Performance evaluation and staff motivation in radiology.
- 14 - Compliance with regulatory guidelines and standards in radiology.
- 15 - Risk assessment and management in radiology services.
- 16 - Leadership styles and strategies for radiology managers.
- 17 - Effective communication and teamwork in radiology departments.

## Teaching and Learning Methods

- 1 - Lectures: In-depth presentations by the instructor on healthcare management principles and applications.
- 2 - Case Studies: Analysis and interpretation of healthcare management in the medical imaging scenarios.
- 3 - Group Discussions: Interactive discussions on research papers in healthcare management.
- 4 - Independent Study: Assigned readings and research to deepen understanding of healthcare management.

## Teaching and Learning Methods for the Disabled Students

- 1 - Providing accessible course materials in alternative formats (e.g., electronic).
- 2 - Ensuring physical accessibility to classrooms and practical sessions.
- 3 - Offering assistive technologies or tools for students with disabilities.

## Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First Quiz and Assignment	Week 3	10
Second Quiz and Assignment	Week 6	10
Midterm Exam	Week 8	30
Third Quiz and Assignment	Week 10	10
Final Exam	Week 15	40

## Books and References

Essential books	Rubenzler, B. (2013). Introduction to medical imaging management. CRC Press.  Buchbinder, S. B., Shanks, N. H., & Kite, B. J. (2019). Introduction to health care management. Jones & Bartlett Learning.
Recommended books	Cpim, C. K., D, N. D., & Msc, M. W. (2021). Operations management in healthcare: Strategy and practice.
Other References (Periodical, web sites, .... etc.)	Porembka, J. H., Lee, R. K., Spalluto, L. B., Yee, J., Krishnaraj, A., Zaidi, S. F., & Brewington, C. (2022). Radiologists increasing role in population health management: AJR expert panel narrative review. American Journal of Roentgenology, 218(1), 7-18. <a href="https://doi.org/10.2214/ajr.21.26030">https://doi.org/10.2214/ajr.21.26030</a>

