جامعة آل البيت
دائرة ضمان الجودة والتخطيط

جامعة آل البيت

كلية الأميرة سلمى بنت عبد الله للتمريض

قسم تمريض صحة المجتمع والصحة النفسية

توصيف مساق المعلوماتية في التمريض

1. معلومات مدرس المساق (Instructor)

اسـم (مدرس /منسق) المساق :	Dr. Mohammad Barahemah (RN,PhD)
الساعـــــات المكتبيــــــة :	Thursday 5-8 online
رقم المكتب والرقـــم الفرعـــــي :	2870
البريــــــــد الالكترونـــــــي :	mbarahemah@aabu.edu.jo
مساعد البحث والتدريس/المشرف/الفني (إن وجد):	N/A

1. وصف المساق (Course Description)

This is an introductory course in Nursing Informatics. By the end of this course nursing students will be able to address the necessary concepts related to the origins, key components and current state of Health Informatics along with the ethical, cultural, & financial issues accompanying the increasing use of the health related Internet applications by healthcare providers, & consumers. The course will emphasis the use of EHR in healthcare system.

2. بيانات المساق (Course Title)

رقم المساق: 1001457	اسم المساق: المعلوماتية في التمريض	المستوى: السنة الرابعة
طبيعة المساق: نظري	المتطلب السابق: Department Permission	وقت المحاضرة: **online** خميس
العام الجامعي: 2019/2020	الفصل الدراسي: الثاني	عدد الساعات الدراسية: ثلاثة

3. أهداف المساق (Course Objectives)

أ–	- Identify the role of the nurse in handling health care data

- Identify the various types of information systems used within health care institutions	ب-
- Identify how health informatics applications can be used to improve health care delivery in health care organizations & in public health, education, & research	ج-
- Discuss the new emerging computer technologies in nursing and how they impact patient.	د-
- Discuss the importance of network integration for health care delivery	هـ-
- Demonstrate ability to understand concepts, principles regarding information technology in nursing.	و-
- Describe threats to information quality, availability, and confidentiality.	ز-
- Apply skills and knowledge related to using computer technology in supporting nursing education.	ح-

4. مخرجات التعلم (Intended Student Learning Outcomes)
(المعرفة والمهارات والكفايات)

يفترض بالطالب بعد دراسته لهذا المساق أن يكون قادرا على:

- Demonstrate competency in performing and providing the role of a professional nurse in quality care provision for individuals, families, and groups.

- Apply principles of effective communication with peers, individuals, families, groups, and health care team.

- Utilize critical thinking and problem solving in planning and implementing nursing care for individuals, families, and groups.

- Apply professional standards, values, and behaviors in providing nursing care for individuals, families, and groups.

5. محتوى المساق (Course Content)

الموضـــوع	الأسبوع
Introduction to the course and syllabus discussion	الأول
Informatics in healthcare professions	الثاني
E-Health a Global Priority	الثالث

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	الرابع	Health Data Standards: Development, Harmonization, and Interoperability
	الخامس	Health Informatics Standards and Standardized Nursing Terminologies
	السادس	Nursing Documentation in Digital Solutions.
Midterm exam		
	السابع	Data Privacy and Security
	الثامن	The Role of the Informatics Nurse
	التاسع	Knowledge Networks in Nursing
	العاشر	Case studies
	الحادي عشر	Case studies
	الثاني عشر	Case studies
الامتحان النهائي		

6. استراتيجيات التعليم والتعلم وطرق التقويم

(Teaching and learning Strategies and Evaluation Methods)

نوع التقويم/القياس (امتحان/عروض صفية/مناقشة/واجبات)	أنشطة التعلم	استراتيجيات التدريس	مخرجات التعلم	ت
Exams/presentation evaluation	Assignments Discussion and group activities.	Lectures	Demonstrate collegiality while working as a member of the health care team	1
Exams/presentation evaluation	Assignments Discussion and group activities.	Lectures/seminar presentation	Identify ethics and legalities related to health care practices	2
Exams/presentation evaluation	Assignments Discussion and group activities.	Lectures/seminar presentation	Take appropriate measures to ensure the safety of clients, yourself, and others	3
Exams/presentation evaluation	Assignments Discussion and group activities.	Lecturing	Develop and implement nursing care plans that meet the needs of assigned clients	4

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7. تقييم الطلبة (Assessment)

توزيع الدرجات لكل أسلوب	توقيت التقييم	الأساليب المستخدمة
20%	خلال الفصل	1-أعمال الفصل: (تقرير، وظائف، حضور، مشروع)
30%	to be determined	2-امتحان تحريري
50%	أسبوع الامتحانات النهائية	4-امتحان تحريري نهائي

8. الكتاب المقرر (Text Book)

Introduction to Nursing Informatics	المرجع الرئيس
Kathryn J. Hannah • Pamela Hussey Margaret A. Kennedy • Marion J. Ball	المؤلف
Springer science	الناشر
2015	السنة
4th Ed	الطبعة
https://www.springer.com/gp/book/9781447129981	الموقع الالكتروني للمرجع

9. المراجع الإضافية (References) (وتشمل الكتب والبحوث المنشورة في الدوريات او المواقع الالكترونية)

1. Choi, M., & Lee, H.S., & Park J.H. (2015). Usability of Academic Electronic Medical Record Application for Nursing Students' Clinical Practicum. Healthcare Informatics Research, 21(3), 191-5.

2. Gardner, C. L., & Jones, S. J. (2012). Utilization of Academic Electronic Medical Records in Undergraduate Nursing Education. Online Journal of Nursing Informatics, 16 (2): 31-37.

3. Hebda, T.L., Czar, P. (2013). Handbook of informatics for nurses and healthcare professional. 5th ed. Upper saddle River, NJ: Pearson Prentice Hall

4. Horte, H.; & Visconti, L., (2014). Transitioning to the Electronic Medical Record: Its Impact on Nursing Care in Interventional Radiology. Journal of Radiology Nursing, 33(4), 203-205.

5. Lin, H.C., Hsu, M.H., Yang, C.W., (2014). The influences of computer system success and informatics competencies on organizational impact in nursing environments. Computers, Informatics, Nursing: CIN, 32 (2), 90-9

6. Mickan, S. Atherton, H., Roberts, N., Heneghan, C., & Tilson, J. K. (2014). Use of handheld computers in clinical practice: a systematic review. BMC Medical Informatics & Decision Making, 14(1), 56-65

7. Mountain, C., Redd, R.; O'Leary-Kelly, C.; & Giles, K. (2015). Electronic medical record in the simulation hospital: does it improve accuracy in

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charting vital signs, intake, and output? Computers, Informatics, Nursing: CIN, 33 (4), 166-71

Ofei-Dodoo, S., Medvene, L., Nilsen, K.M., Smith, R.A., & DiLollo, A. (2015). Exploring the Potential of Computers to Enrich Home and Community-Based Services Clients' Social Networks. Educational Gerontology, 41(3), 216-225.

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10. سياسات المساق

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Course Policies	
Class Attendance:	
1. Students must attend all classes of this course. Absenteeism will be only accepted following the rules and regulation of Al al-Bayt University.	
2. Any student with absence of 12.5% of the classes of any course will be not illegible to sit for the final exam.	
3. In the case (b) above, if a student submits an official sick report authenticated by university clinic or an accepted excuse by the Dean of his/her faculty, the student will be considered as withdrawn from the course.	
4. Students are not allowed to come late to classes. Any student coming late will not be allowed to attend the class and he/she will be marked absent.	
5. No mobiles and cellular phones allowed	
6. Students had to submit their excuses for the exams within 48 hours. No excuses accepted until studied and investigated.	
7. Visitors (friends, family members, children, significant others) will not be permitted in the classroom without prior approval of the instructor.	
Exams Attendance:	
1. Failure in attending a course exam other than the final exam will result in zero mark unless the student provides an official acceptable excuse to the instructor who approves a make-up exam.	
2. Failure in attending the final exam will result in zero mark unless the student presents an official acceptable excuse to the Dean who approves an incomplete exam, normally scheduled to be conducted during the first two weeks of the following semester.	
3. A student who is late more than 10 minutes will not be permitted to sit the exam (first, second or mid exams).	

4. A student who is late more than 30 minutes will not be permitted to sit to final exam, and no student will be permitted to leave the exam center before the elapse of 30 minutes.	
Cheating: Cheating is an attempt to gain marks dishonestly and includes; but not limited to:	
1. Copying from another student's work.	
2. Using materials not authorized by the university.	
3. Collaborating with another student during a test, without permission.	
4. Knowingly using, buying, selling, or stealing the contents of a test.	
5. Plagiarism which means presenting another person's work or ideas as one's own, without attribution.	
6. Using any media (including mobiles) during the exam	