

Usability of mobile learning among students of health-related fields: Attitudes

and Perspectives. فاعلية استخدام التعلم المتنقل من قبل طلبة الكليات الطبية: التوجهات والتصورات

Mobile learning: educational method that provides the possibility to learn regardless of the place, using portable devices such as smartphones, laptops, tablets, etc..

This study aims to understand the attitude and perspective of students of health-related field in university of Jordan towards mobile learning, as well as observing the effect of mobile learning on real life situations, memory, psychology, and social skills. Your accurate response is highly appreciated as it will improve the credibility of our study.

Participation in this questionnaire is totally voluntary. You can quit at any point with no consequences. Your responses will be treated with high level of confidentiality.

التعلم المتنقل: الطريقة التعليمية التي توفر إمكانية التعلم غير المحدد بالمكان، ويتم عبر الأجهزة المتنقلة مثل الأجهزة النقالة، أجهزة اللابتوب، أجهزة التابلت، الخ.

تهدف هذه الدراسة لفهم السلوك والرأي لطلاب التخصصات الطبية في الجامعة الأردنية تجاه التعلم المتنقل، كما تهدف الى مراقبة تأثير التعلم المتنقل على مواقف الحياة العملية، الذاكرة، الحالة النفسية ومهارات التواصل. نقدر إجابتك الصادقة والصحيحة لأنها تؤثر في مصداقية هذه الدراسة.

المشاركة في هذه الاستبانة هي طوعية بشكل تام. يمكنك الانسحاب في أي وقت دون نتائج مترتبة. سوف يتم التعامل مع إجابتك بكامل الثقة.

هل أنت طالب تخصص طبي في الجامعة؟ Are you a student in a medical field at university of Jordan? *الاردنية؟

Yes نعم

No لا

Usability of mobile learning among students of health-related fields: Attitudes and Perspectives.

فاعلية استخدام التعلم المتنقل من قبل طلبة الكليات الطبية: التوجهات والتصورات

Mobile learning: educational method that provides the possibility to learn regardless of the place, using portable devices such as smartphones, laptops, tablets, etc..

This study aims to understand the attitude and perspective of students of health-related field in university of Jordan towards mobile learning, as well as observing the effect of mobile learning

on real life situations, memory, psychology, and social skills. Your accurate response is highly appreciated as it will improve the credibility of our study.

Participation in this questionnaire is totally voluntary. You can quit at any point with no consequences. Your responses will be treated with high level of confidentiality.

التعلم المتنقل: الطريقة التعليمية التي توفر إمكانية التعلم غير المحدد بالمكان، و يتم عبر الأجهزة المتنقلة مثل الأجهزة النقلة، الخ. أجهزة اللابتوب، أجهزة التابلت، الخ.

تهدف هذه الدراسة لفهم السلوك والرأي لطلاب التخصصات الطبية في الجامعة الأردنية تجاه التعلم المتنقل، كما تهدف الى مراقبة تأثير التعلم المتنقل على مواقف الحياة العملية، الذاكرة، الحالة النفسية ومهارات التواصل. نقدر إجابتك الصادقة والصحيحة لأنها تؤثر في مصداقية هذه الدراسة.

المشاركة في هذه الاستبانة هي طوعية بشكل تام. يمكنك الانسحاب في أي وقت دون نتائج مترتبة. سوف يتم التعامل مع إجابتك بكامل الثقة.

I have read and understood all the above information. I would like to participate in this study * لقد قرأت و فهمت المعلومات المرفقة أعلاه، أود أن أشارك في هذه الدراسة

أوافق agree

Which language do you prefer ? ؟ أي لغة تفضل *

English
اللغة العربية

page 1 of 3

Sex :*

Male
Female

Residence :*

North Region (Irbid, Ajloun, Jerash, Mafrq)
Central Region (Balqa, Amman, Zarqa, Madaba)
South Region (Karak, Tafilah, Ma'an, Aqaba)

Nationality*

Jordanian
Other:

Field of study*

Medicine

Dentistry
Pharmacy
Nursing
Rehabilitation

GPA (Grade Point Average) :*

Age :*

Year of study*

First-year student
Second-year student
Third-year student
Fourth-year student
Fifth-year student
Sixth-year student

Your personal monthly allowance:*

Less than 100 \$ (less than 70JD)
100 – 250 \$ (70-177 JD)
250 - 500 \$ (177-355 JD)
More than 500 \$ (more than 355 JD)

select devices you use during learning:*

Yes
No

Smartphone
Ipads
Tablet
Laptop
PDA's

Which reference format do you prefer to use for studying?*

Hard copies (printed format)
Electronic format (Pdf files)

How many hours do you spend on studying using your portable device?*

Which type of internet connection do you use more for mobile learning in public places?*

Mobile Data (4G , 5G)

Wi-Fi connection

Why did you choose that internet connection, (for example: regarding speed, affordability,..)*

Do you practice any of these studying activities on your portable device?*

always

often

sometimes

rarely

never

Engaging in lectures

Reaching academic material (e-book, slides, recorded lectures..etc)

Looking up quick facts and unfamiliar medical terms

Sending and receiving e-mails

Transferring files, photos or other data

Accessing the university library website

Accessing health-care information

Watching movies and video clips related to educational/learning subjects

Download and listen to audio books and lectures

Playing interactive educational games

Have you ever used any of these educational websites, programs, applications*

yes

no

Youtube channels

PubMed

UpToDate

Healthline

Mayoclinic

CDC (Centers for Disease Control and Prevention)

JFDA (Jordan Food & Drug Administration)

Amboss

Lexicomp

British National Formulary (BNF)

From your experience, answer the following questions regarding mobile learning and traditional method of learning (face to face)*

Mobile learning
Traditional method of learning (face to face)
Both are the same
none

I feel more isolated from my colleagues during:
I feel more interactive in lectures during:
I prefer to communicate with instructors via:
I feel more motivated to study during:
I can use acquired knowledge in real-life situations:
I feel more distracted during:
Which is better regarding cost:
More Time consuming:
Which has easier accessibility to educational material:
information stick to my mind for longer time when using:
More efficient learning style:

Have you ever experienced any of the following psychological issues during*

Mobile Learning
Face to face learning
Both
None

Anxiety
Agressive attitude
Depression

Describe your memory state while depending on mobile learning:*

Positively affected (I remember things easier)
Negatively affected (I fail to remember things)
Neutral (nothing has changed)

During mobile learning, have you ever been distracted by the following:*

yes
no

Social media

Electronic games

Calls

Noise around me (street and neighborhood noises, family circumstances, etc)

Have you ever faced other distractions during mobile learning? if yes mention them, if no type "I haven't":*

Your answer

Do you think that mobile learning has increased the enrolment rate of students in universities?*

Yes

No

Maybe

page 3 of 3

Have you ever faced the following challenges during Mobile learning:*

Always

Often

Sometimes

Rarely

Never

Continuous Internet need (applications and programs are fully dependent on internet)

Small screen

Short battery life

Technical issues

Limited storage capacity

What other challenges have you faced during mobile learning, if you haven't faced any other challenges, type " I haven't":*

What do you think is better?*

To use mobile learning as an additional tool along with traditional way (blended learning)

To use mobile learning only

To use traditional way only

How much do you rate your readiness for mobile learning?*

Low

Moderate

High

In your opinion, what characteristics you look for in mobile learning to be accepted for you ? (you can choose more than one option)*

Readiness of instructors to simulate mobile technologies (lectures and exams platforms)
Adapt exam platforms to be compatible with all mobile devices
Develop less distractive applications (turning off advertisements and distractive notifications)
Extend features available in web application into mobile application
Develop the applications with offline accessibility
Other:

How much do you agree with the following?*

Strongly agree
Agree
Neutral
Disagree
Strongly disagree

mobile learning has increased my level of medical knowledge
mobile learning provides me with up-to-date knowledge?
After the pandemic (COVID-19) most of us learned new computer skills
Covid-19 pandemic made me more familiar with mobile learning
Mobile learning has improved my online-searching skills
Mobile learning has improved my ability to learn by myself
mobile learning has provided the chance to participate in activities other than studying (like volunteering, part-time job,... etc)

What is/are the skill/skills you've gained / improved during and after the pandemic (you can choose more than one option)*

Excel skills
Create pdf documents
Change file type
Use mobile phone as MP3 player
Access information or services on the web
Use video conferencing applications
Sending or receiving emails
Setting up online meetings
Use mobile phone as personal organizer (e.g., diary, address book)
Sending or receiving SMS to colleagues
I didn't learn any computer skills
Other:

Email (optional)