



# ICT Services to Support E-Learning at GJU

March 11, 2020

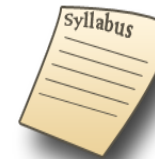
**Dr. Feras Al-Hawari**

Director, Information Systems and Technology Center



# Overview

- ▶ E-Learning Infrastructure at GJU
- ▶ E-Learning Platforms at GJU
- ▶ Learning Models at GJU
- ▶ Online Learning Requirements





# Infrastructure to Support E-Learning



High-speed Network



Video Conferencing



Computer Labs



Private & Public Clouds



# Main Platforms for E-Learning at GJU



الجامعة الألمانية الأردنية  
German Jordanian University

Hello Feras Al Hawari; To view the open academic calendar events please click [here!](#) AR Arabic ? Help Logout

My Affairs | Academic Affairs | Dean's Tasks | QA Tasks

Course Sections | My Courses | Schedules | Grades | Advisory | Evaluations | Publications

Academic Affairs > Schedules

Filtering Criteria

Year : 2019/2020 Semester : Second

Search

**Schedule for Second 2019/2020**

Course ID	Course Name	Section No.	Credit Hours	Days/Times	Room ID	No. of Students	Email	Email	Course Portfolio	Attendance
CE743	Advanced software analysis and design	1	3	Wed 02:00 PM - 05:00 PM	M223	6	<a href="#">From MyGJU</a>	<a href="#">From Client</a>	<a href="#">View</a>	<a href="#">Manage</a>
CE752	Master Thesis B	1	3	Sat 09:00 AM - 09:30 AM	M226	1	<a href="#">From MyGJU</a>	<a href="#">From Client</a>	<a href="#">View</a>	<a href="#">Manage</a>

Export Print

↑  
**FPOC**



# MyGJU

- ▶ GJU Portal
- ▶ Integration with SIS, AIS, HR, etc.
- ▶ **FPOC for E-Learning**
- ▶ Schedules
- ▶ Email
- ▶ Attendance
- ▶ Course Syllabus
- ▶ Course Materials
- ▶ Course Folders
- ▶ Grades
- ▶ Evaluation
- ▶ QA
- ▶ Management

Since 2015 by ISTC




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My Affairs
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# Moodle & BBB

- ▶ LMS
- ▶ Was mainly used before for Course Materials & Attendance
- ▶ Still used for Quizzes
- ▶ Can be used for suitable external plugins
- ▶ Potential integration with the **BigBlueButton** plugin to provide Chat & Conferencing

**Since 2010**



**BigBlueButton**

**Possible 2020 by ISTC**



# Office 365

German Jordanian University Office 365 Search Alhawari, Firas AF

**Office 365** All Apps Tips and Tricks

**Since 2018 by ISTC**

- Calendar: Schedule and share meeting and event t...
- Excel: Discover and connect to data, model an...
- OneNote: Capture and organize your notes across...
- Power Apps: Build mobile and web apps with the dat...
- SharePoint: Share and manage content, knowledge,...
- Tasks: Create and manage tasks in Outlook.
- Whiteboard: Ideate and collaborate on a freeform ca...
- Class Notebook: Organize your lesson plans in a digital n...
- Forms: Create surveys, quizzes, and polls and e...
- Outlook: Business-class email through a rich and familiar Outlook experience.
- Power Automate: Create workflows between your apps, fil...
- Staff Notebook: Collaborate with faculty and staff to sha...
- Teams: The customizable, chat-based team wor...
- Word: Bring out your best writing.
- Delve: Get personal insights and relevant infor...
- Kaizala: A simple and secure mobile chat app for...
- People: Organize your contact info for all your fr...
- PowerPoint: Design professional presentations.
- Stream: Share videos of classes, meetings, prese...
- To Do: Manage, prioritize, and complete the m...
- Yammer: Connect with coworkers and classmates,...
- Dynamics 365: Break down the silos between your busi...
- OneDrive: Store, access, and share your files in one...
- Planner: Create plans, organize and assign tasks,...
- Publisher: Create everything from labels to newslet...
- Sway: Create and share interactive reports, pre...
- Video: Share videos of classes, meetings, prese...

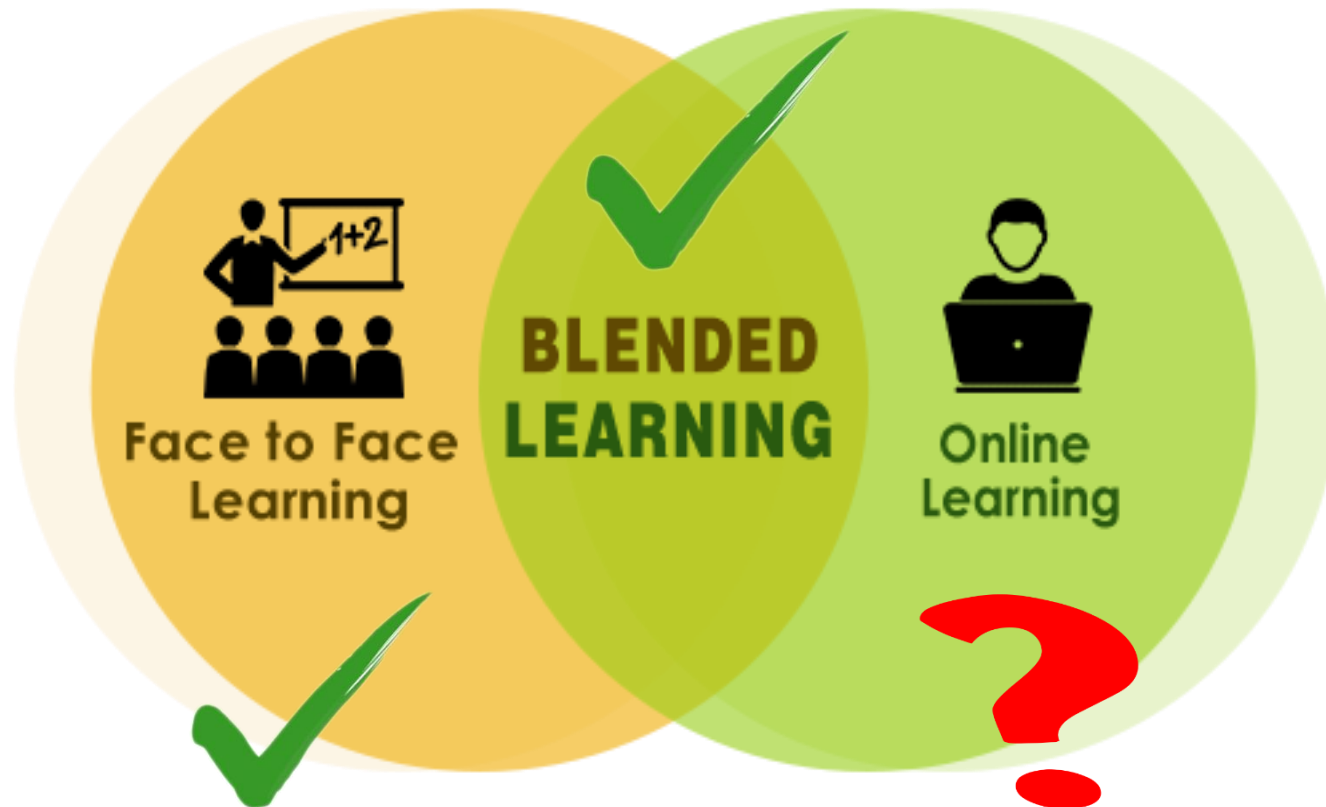
▶ **Authoring:** Word, PPT, OneNote, White board, etc.

▶ **Chat & Conferencing:** Teams & Skype

▶ **Course Materials:** OneDrive, Teams, Stream



# Learning Models at GJU







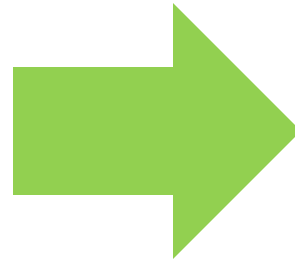
# Online Learning Requirements

▶ **Video conferencing & recording (to live stream & record lectures)**

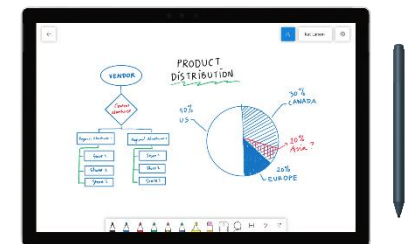
▶ **Chat (collaboration & conversation)**

▶ **Sharing (slides, whiteboard, window, desktop, etc.)**

▶ **Attendance & Exams ??**



- ▶ Licensed or open-source platforms (**Available**)
- ▶ Stable, easy-to-use, secure, and controlled platforms (**To discuss & Verify**)
- ▶ Trained staff (**Schools & IT**)
- ▶ Equipment & budget ??
- ▶ High speed internet service





# Conferencing/Chat/Sharing/Recording Platforms

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Microsoft Teams

**Not recommended**  
**until now, although it**  
**has nice features!**



Skype  
for Business

**High possibility**  
**(needs testing)**

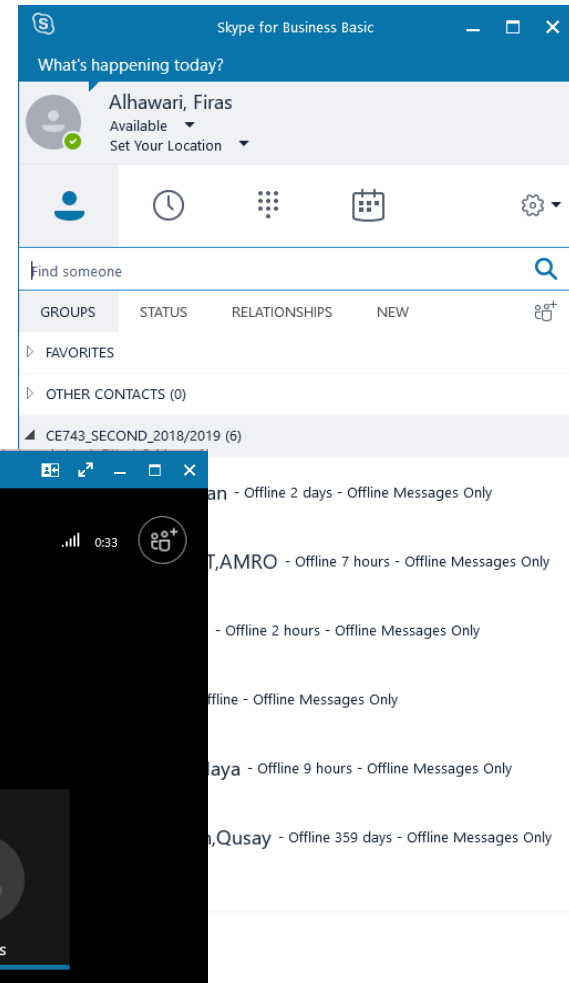


BigBlueButton\*

**High possibility**  
**(needs testing)**



# Skype for Business



# Big Blue Button

BigBlueButton | Testing (All participants)

Users: Firas Alhawari

Webcams: F...

Presentation: 01-Java-Review.pdf

CE743: Week1  
Java Review

Dr. Feras Al-Hawari

Chat: Public Options

05:53

Welcome to **Testing (All participants)**!

To understand how BigBlueButton works see [our tutorial videos](#).

Welcome to the Java class

© 2018 BigBlueButton Inc. (build 947)

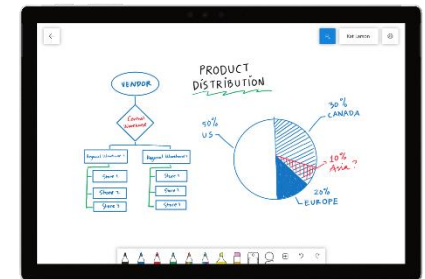
English | Default Layout

# Possible Online Course Steps

- ▶ Use **Skype for Business** (or **BBB**) to stream and record lectures (chat & share)
- ▶ Upload lecture videos to **MS Stream** (or **YouTube**) to share with students
- ▶ Make the lecture video URL available in **MyGJU**
- ▶ Upload slides and class materials in **MyGJU**
- ▶ Authoring apps to use: **PPT**, **OneNote**, and **Whiteboard**



PowerPoint





**THANK YOU**