

# ERPsimLab

## SAP NAAC June Month of Learning 2026

### ERPsim – Information Systems

### Faculty showcase: K. Lynn Halterman



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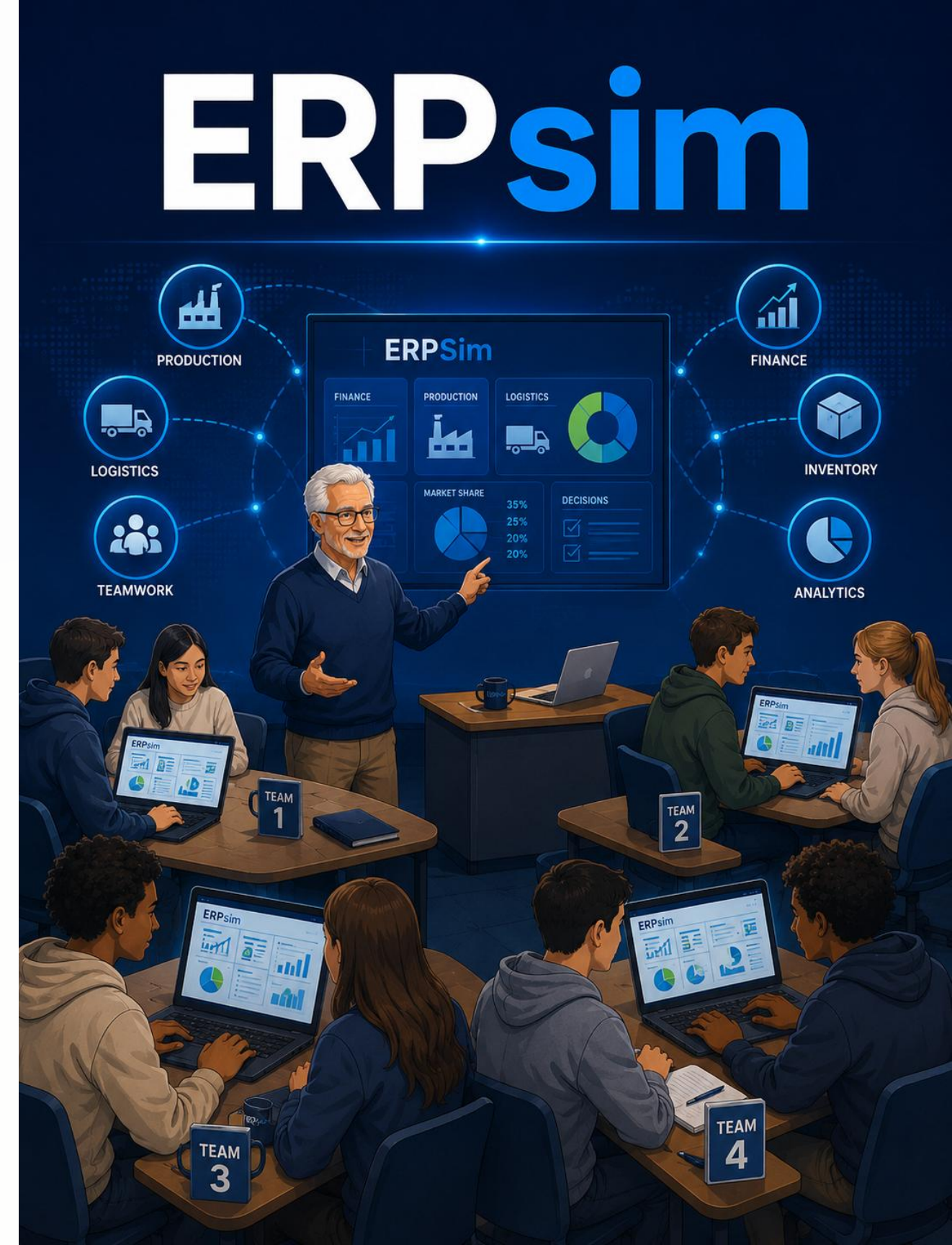
# ERPsim Experiences at BGSU

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Schmidthorst College of Business

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# Background

## Education

- BS Accounting MAcc Accounting Information Systems from Brigham Young U.
- CPA

## Industry experience

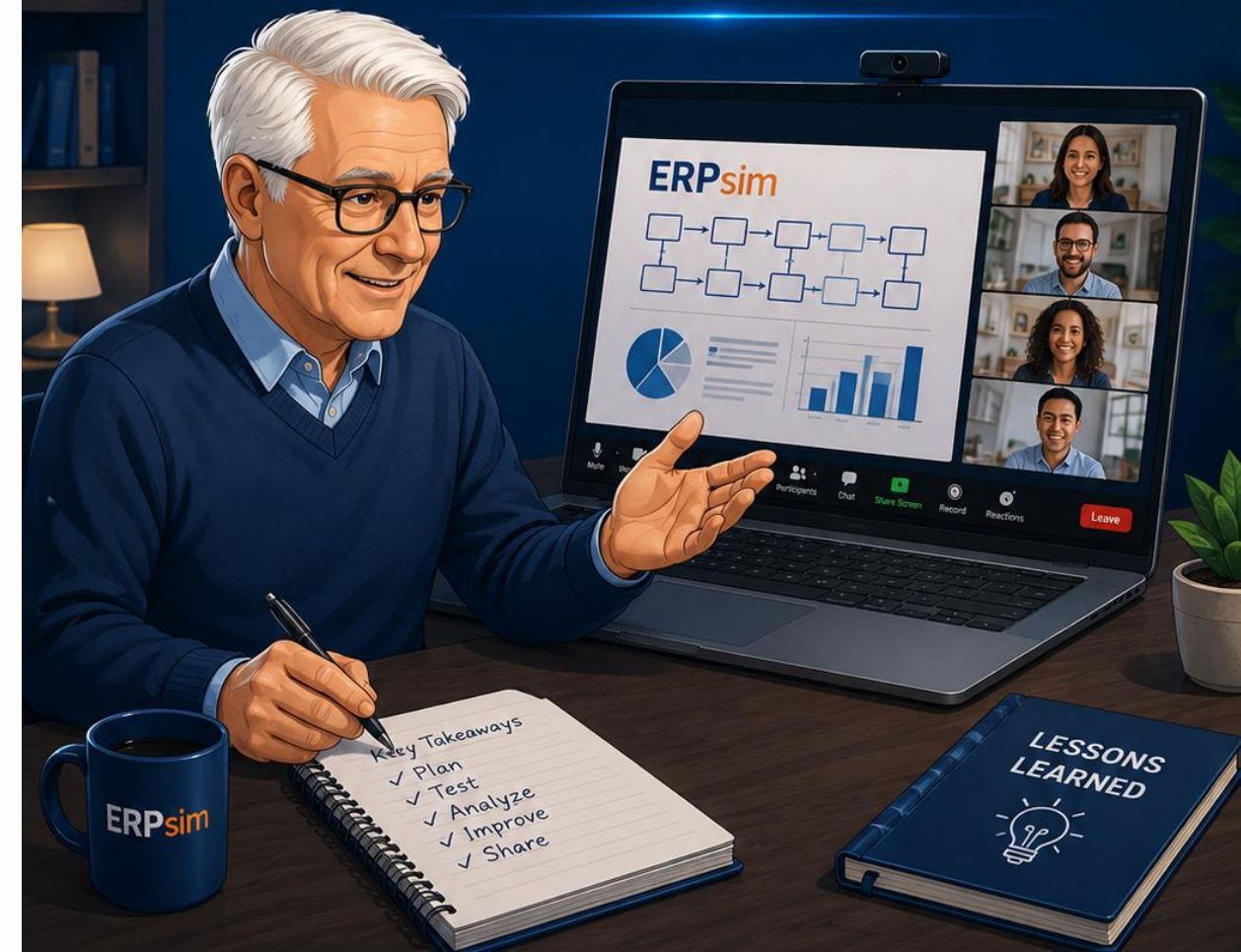
- 30+ years in SAP, ERP, finance, analytics, consulting, and systems implementation
- PWC, Accenture, Cargill, Dana

## Teaching experience

- Joined Bowling Green State University about three years ago
- Teach IS, Accounting and occasionally Supply Chain and Management classes

- Share ERPsim experience - generate discussion and exchange ideas.
- **Status** - Advanced beginner — two years in, many lessons learned, many questions remaining.
- **Approach** - Experiment, adjust, keep what works, improve what does not.
- **Goal** – Use ERPsim to enhance student learning across different courses and levels

# SHARING EXPERIENCE AND LESSONS LEARNED



# ERPsim

## by the Numbers

- 2** Years using ERPsim
- 3** Games used: Maple, Logistics, Manufacturing
- 4** Courses: three undergraduate + one MBA
- 15** Class sections taught, across multiple courses
- 45** Typical class size, ranging 10 to 60 students
- 500** Approximate total student players to date
- 1** Small but growing SAP Club

# ERPsim Across the Curriculum

## Different Courses, Different Purposes

Course	Use	Current Result
<b>IS2000 — Intro MIS</b>	ERP, process, analytics intro	Very good
<b>IS3500 — Business Process Management with SAP</b>	Applied SAP / process lab	Good; still revising
<b>MBA6020 — IT for Managers</b>	Management decision lab	Unsure; used once
<b>MGMT3000 — Operations &amp; Supply Chain</b>	Supply chain capstone	Unsure; may be too much
<b>ERPsim / SAP Club</b>	Deeper practice and student leadership	Small but growing



IS2000 and IS3500 are the strongest current uses – others developing.

# Learning ERPsim



## Getting Started

- Attended ERPsim Montreal conference, talked with faculty and ERPsim experts
- Completed training course
- Worked through documentation and setup materials
  - Documentation is really good!!
  - And they do update it

## First pilot

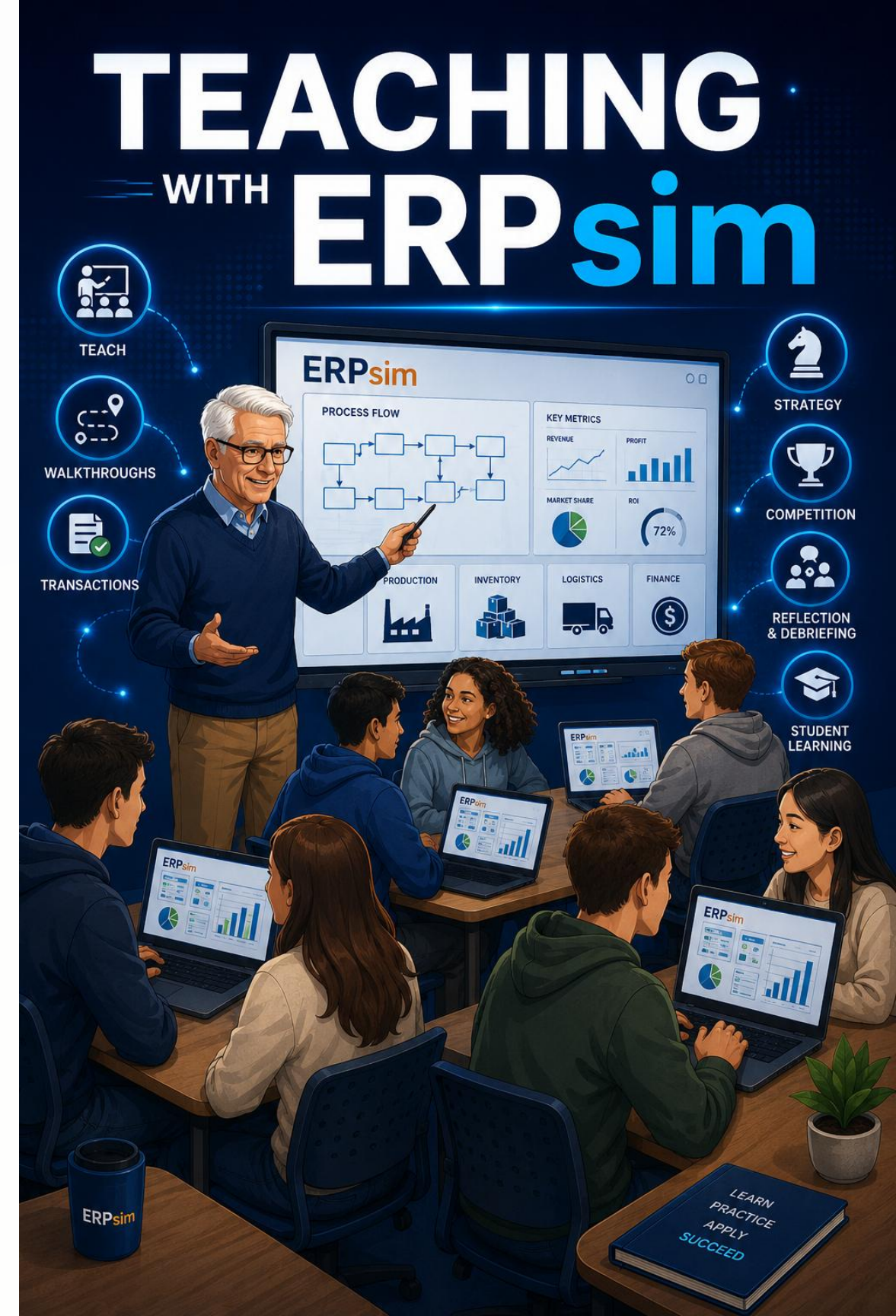
- Ran Logistics Introduction in IS2000, started with low expectations
- Treated the class as willing “guinea pigs”
- Played two or three times, feedback showed real potential
- First attempt was rough, but good enough to prove ERPsim could work in my course

## Early learning

“Figure it out” did not work for introductory students. Need context and walk-throughs. At least in the beginning.

## Current approach

- Teach the game before expecting strategy
- Walk through mechanics and basic decisions
- Demonstrate transactions, build confidence
- Add complexity gradually
- Use competition for energy
- Use reflection and debriefing for learning
- Students require some teaching, before they take off on their own



# From Pilot to Broader Use



- START SMALL
- LEARN & IMPROVE
- EXPAND IMPACT
- ENGAGE MORE STUDENTS
- BUILD REAL-WORLD SKILLS



Trying it out.  
Learning together.

**IS2000**  
Logistics Extended



**IS3500**  
ERPsim + SAP Bicycle



**MBA6020**  
Better Analytics



**MGMT3000**  
Intro to the Game



**SAP CLUB**

Supply Chain Capstone  
(Manufacturing Game)



Real Experience.  
Real Impact.

## Expanding Across Courses Expansion path

- Added ERPsim more intentionally to IS2000 with Logistics Extended
- Added ERPsim to IS3500 alongside SAP Bicycle
  - Students strongly preferred ERPsim and stopped using SAP Bicycle
- Added Maple Game as an introduction to the game
- Tried out in an MBA Class – introducing better and better analytics
- Supply Chain Class – 3 week capstone using Manufacturing game
- SAP Club

# Maple Game - Bridge – Manual before ERP

## Why Maple first?

Students physically experience business process flow before entering an integrated system.

## Students experience

- Procurement, manufacturing, sales, and accounting
- Team coordination and process flow
- Manual transaction recording
- Operational decisions becoming financial outcomes

## How I use it

- Two class periods
- First play: instructor walkthrough
- Second play: student improvement and comparison
- Spreadsheet: transactions → P&L, balance sheet, net income
- The goal is not perfect scoring; the goal is helping students feel why ERP matters.



1. Start small with a pilot before scaling.
2. Demo - students repeat transactions with you.
3. Need to play a couple of times for learning to occur.
4. Use Maple Game as an introduction.
5. Use competition incentives to create engagement.
6. Debrief after each round.
7. Have all technical stuff ready before class.
8. Have a partner to help you, if possible.
9. Have winning teams explain their strategy.
10. Use Logistics for intro. Manufacturing to go deep.
11. Get feedback to improve game for next semester.
12. Have fun – it's a game.

# ERPsim

## APPROACHES

THAT HAVE WORKED FOR ME



ENGAGE STUDENTS



BUILD SKILLS



MAKE BETTER DECISIONS



REAL-WORLD LEARNING

# QUESTIONS DISCUSSION



# Learning Solutions from the ERPsim Lab

## ERPsim Simulator



### VIRTUAL BUSINESS

- ✓ Automation of administrative tasks
- ✓ Simulation of customer and vendor behaviors
- ✓ Simulation of passing of time

### ERP SYSTEM

Available for  
**SAP S/4HANA**



### PARTICIPANTS

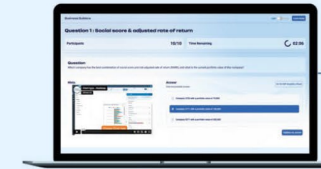
- ✓ Business decisions
- ✓ Business analytics
- ✓ Engagement through competition

## ERPsim Games



## Business Builders

### Gaming Platform



### SAP Analytics Cloud



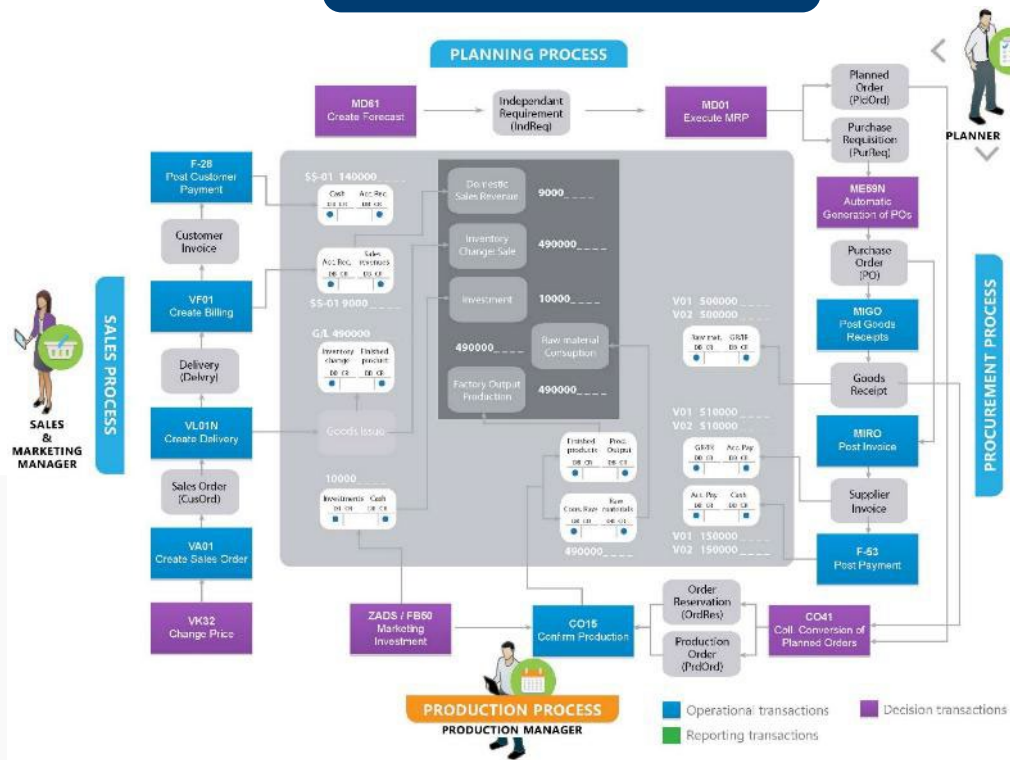
### Scenarios

## Maple Card Game

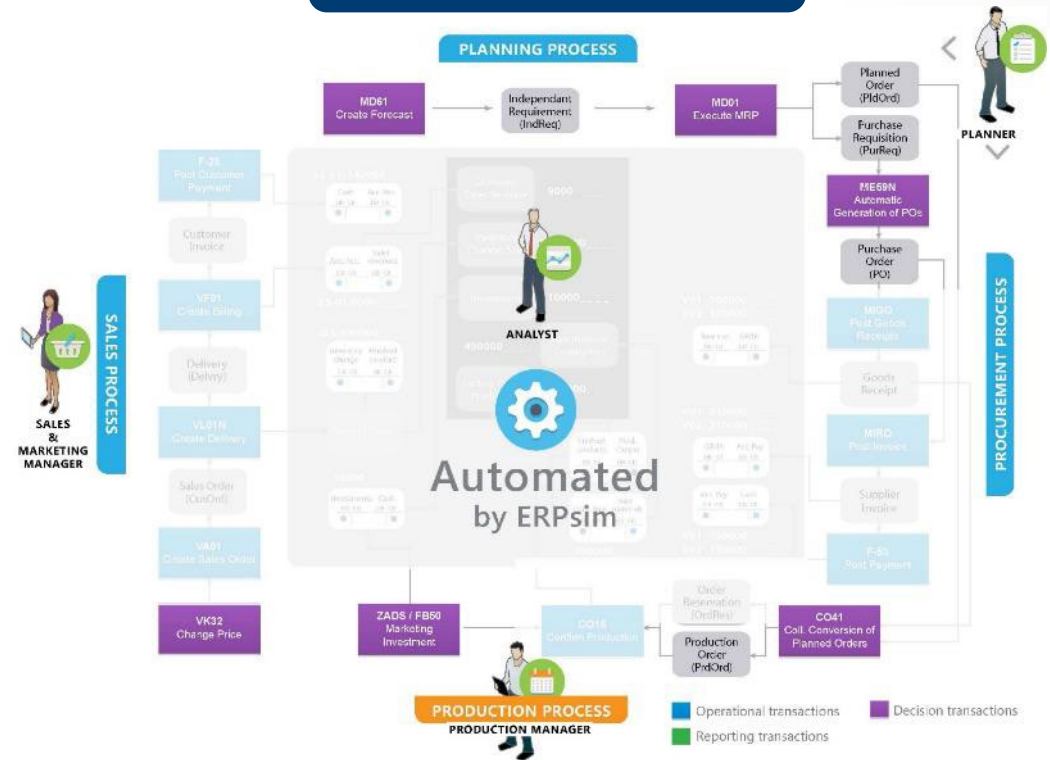


# Integrated Business Processes

## Without ERPsim



## With ERPsim



# Course and Curricula Example

## Goals 1 & 2

Enterprise Systems,  
& Business Processes

1. Introduction to IT in organizations
2. IT and business processes – ERPsim (1)
3. IT-based business process innovation (part I)
4. IT-based business process innovation (part II)
5. IT enabling enterprise integration – ERPsim (2)

Improving  
business processes  
with IT

6. IT acquisition (the “development” approach)
7. IT acquisition (the “buy” approach)

Acquisition  
of IT solutions

## Goal 3

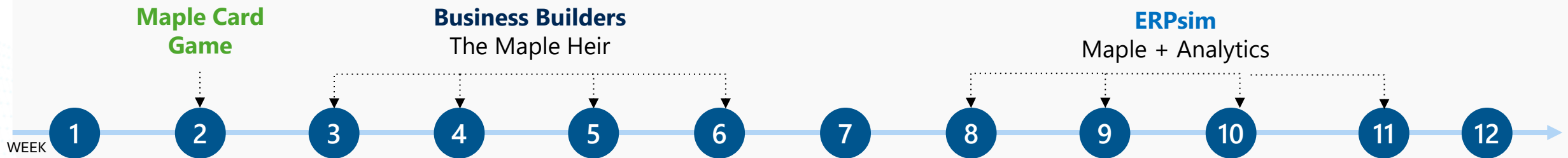
Analytics

8. Intro to business analytics – dashboard development
9. Analysis of transactional data (basic)
10. Analysis of transactional data (advanced)
11. Business Analytics - test dashboard - ERPsim (3)

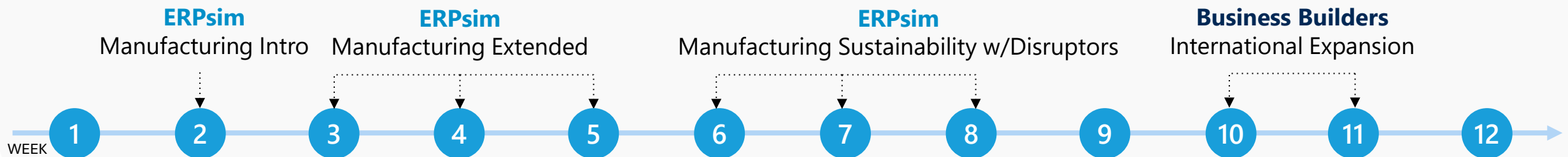
Improving  
decision making  
with IT

# Leverage the synergy between the ERPsim Lab solutions and your classroom curriculum?

## CURRICULUM EXAMPLE 1



## CURRICULUM EXAMPLE 2



# Leverage the synergy between ERPsim and SAP Learning Hub?

Free

**COURSE**

## End-to-End Business Processes for the Intelligent Enterprise

Intelligent Enterprise Cloud ERP Private Finance and Spend Management Cloud ERP Private Cloud ERP Finance SAP S/4HANA Cloud Private Edition SAP S/4HANA Cloud Public Edition SAP S/4HANA Enterprise Management **IEE2ED**

IEE2ED • 4 hr • Leads to Certification

Free

**COURSE**

## Executing Basic ERP Processes with SAP S/4HANA

This course enables learners to execute basic enterprise resource management (ERP) processes in SAP S/4HANA Cloud.

Beginner • S4H00 • 4 hr + • Leads to Achievement

Free

**COURSE**

## Introducing Greenhouse Gas (GHG) Protocol and Corporate Carbon Footprint Management

This course will explain how to use SAP Sustainability Footprint Management to calculate, and to report corporate carbon footprint.

Beginner • CFM01 • 10 min • Leads to Achievement

Free

**COURSE**

## Exploring SAP Global Trade Management Business Processes in SAP S/4HANA

This course provides a comprehensive introduction to SAP Global Trade Management (GTM), a cross-industry trading solution designed to support the logistics, supply chain, procurement, and sales processes of organizations operating in global markets.

Intermediate • S4GTM • 1 hr +

Free

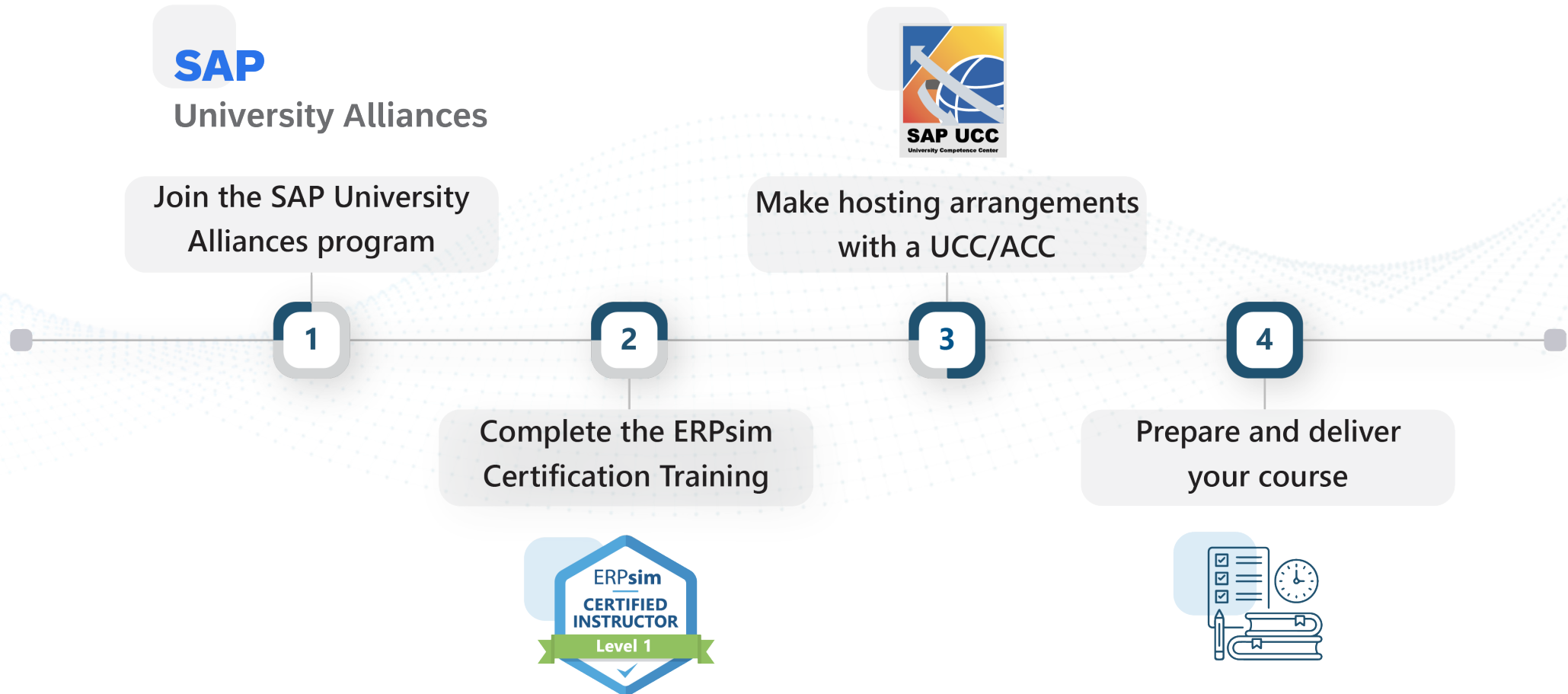
**COURSE**

## Designing Stories in SAP Analytics Cloud

Create stories and effectively work with your data to create impactful visualizations.

Intermediate • SACS21 • 5 hr + • Includes Hands-on Practice • Leads to Achievement

# Get Started with ERPsim (via SAP UA / UCC)



# Get Started with ERPsim In-A-Box



Complete the ERPsim  
Certification Training

1

2

Prepare and deliver  
your course



# ERPsim In-A-Box

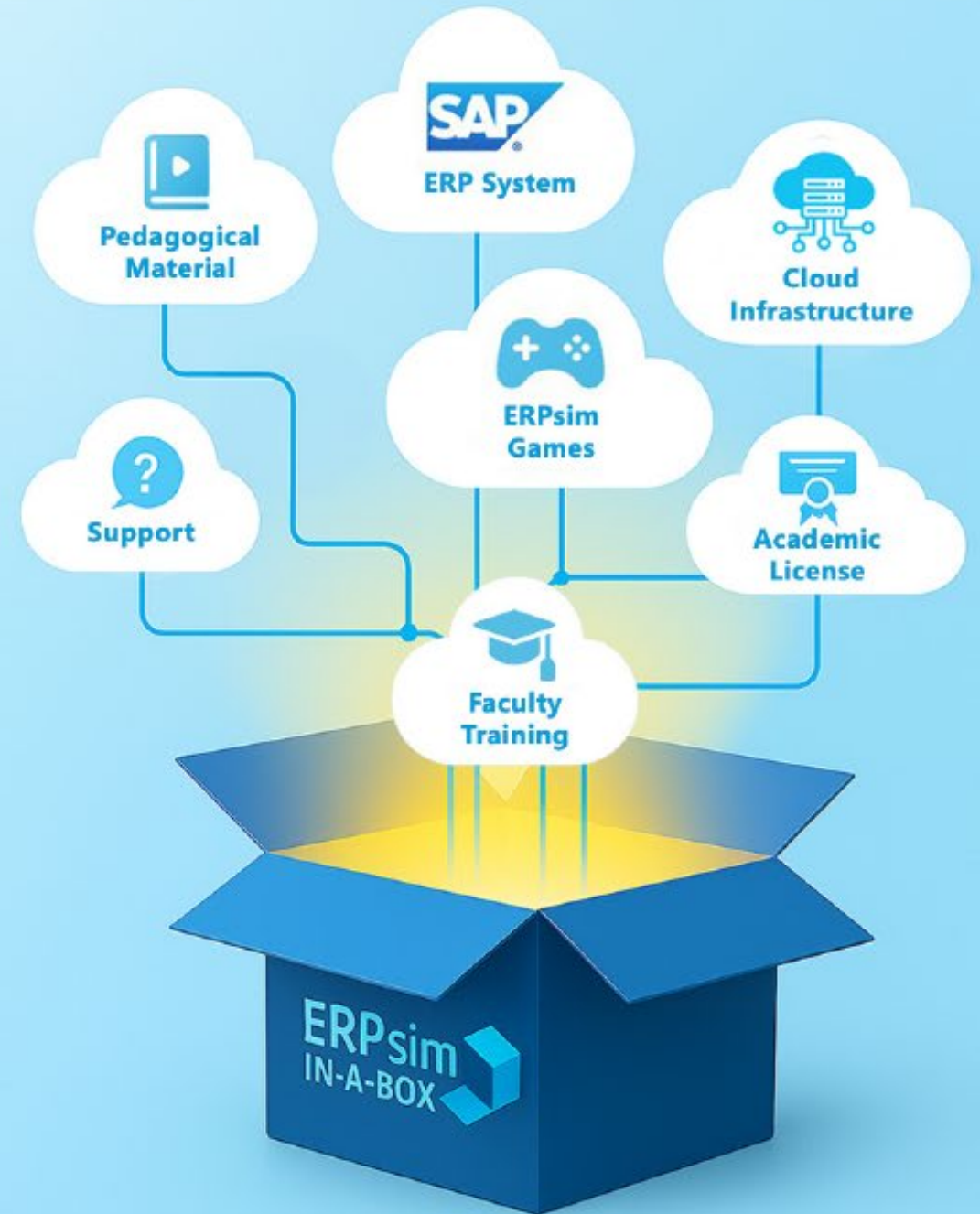
Cloud Hosted Solution to Enhance Your Teaching with Gamified Business Simulations

- ✓ Dedicated SAP System
- ✓ Ready to Run
- ✓ 100% Web-based
- ✓ Zero Complexity
- ✓ Easy to Learn and Use
- ✓ No Contract



Everything you need for full integration into existing curricula (Per-Course) or use for bootcamps, competitions (Per-Event).

Contact us for pricing and details!



# ERPsim Digital Badges

**2026 COURSE COMPLETION**  
**MANUFACTURING**  
ERPsimLab HEC MONTRÉAL | SAP

**Certificate**  
**OF ACHIEVEMENT**  
THIS CERTIFICATE IS PROUDLY PRESENTED TO  
**Hanna Weber**

... certifies that the recipient has successfully completed a course using the ERPsim Manufacturing Sustainability Game or demonstrated practical competency in managing a company within a real-time SAP S/4HANA ERP environment.

Date \_\_\_\_\_  
Professor Name \_\_\_\_\_  
Course Name \_\_\_\_\_  
University Name \_\_\_\_\_

**2026 COURSE COMPLETION**  
**MANUFACTURING**  
ERPsimLab HEC MONTRÉAL | SAP

Jean-François Michon  
Director of Operations,  
ERPsim Lab, HEC Montréal

# ERPsim Digital Badges Criteria

## Issuer

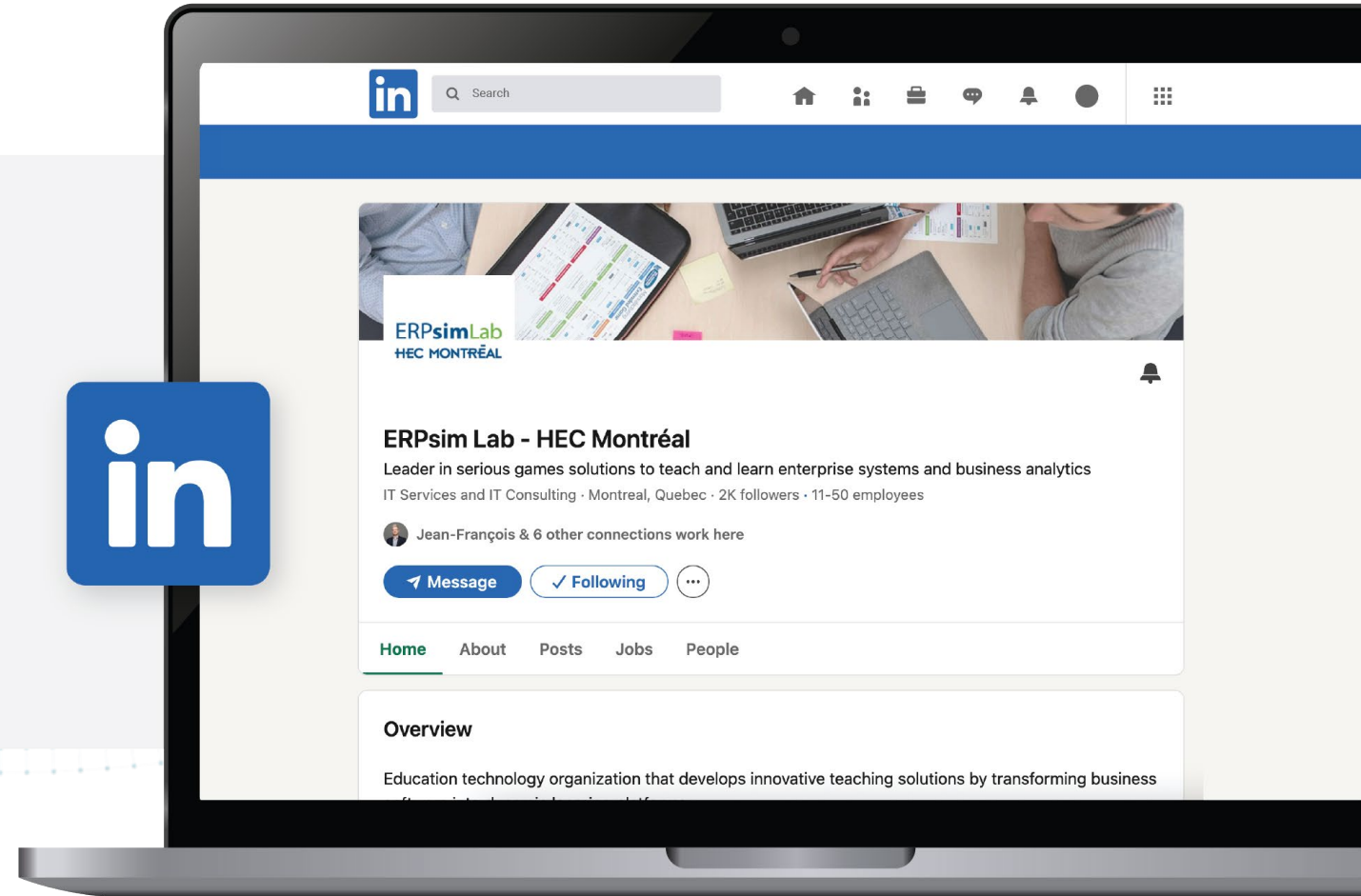
- **ERPsim Level 2** Certification (latest)

## Recipient

- **Per-Student** Academic License

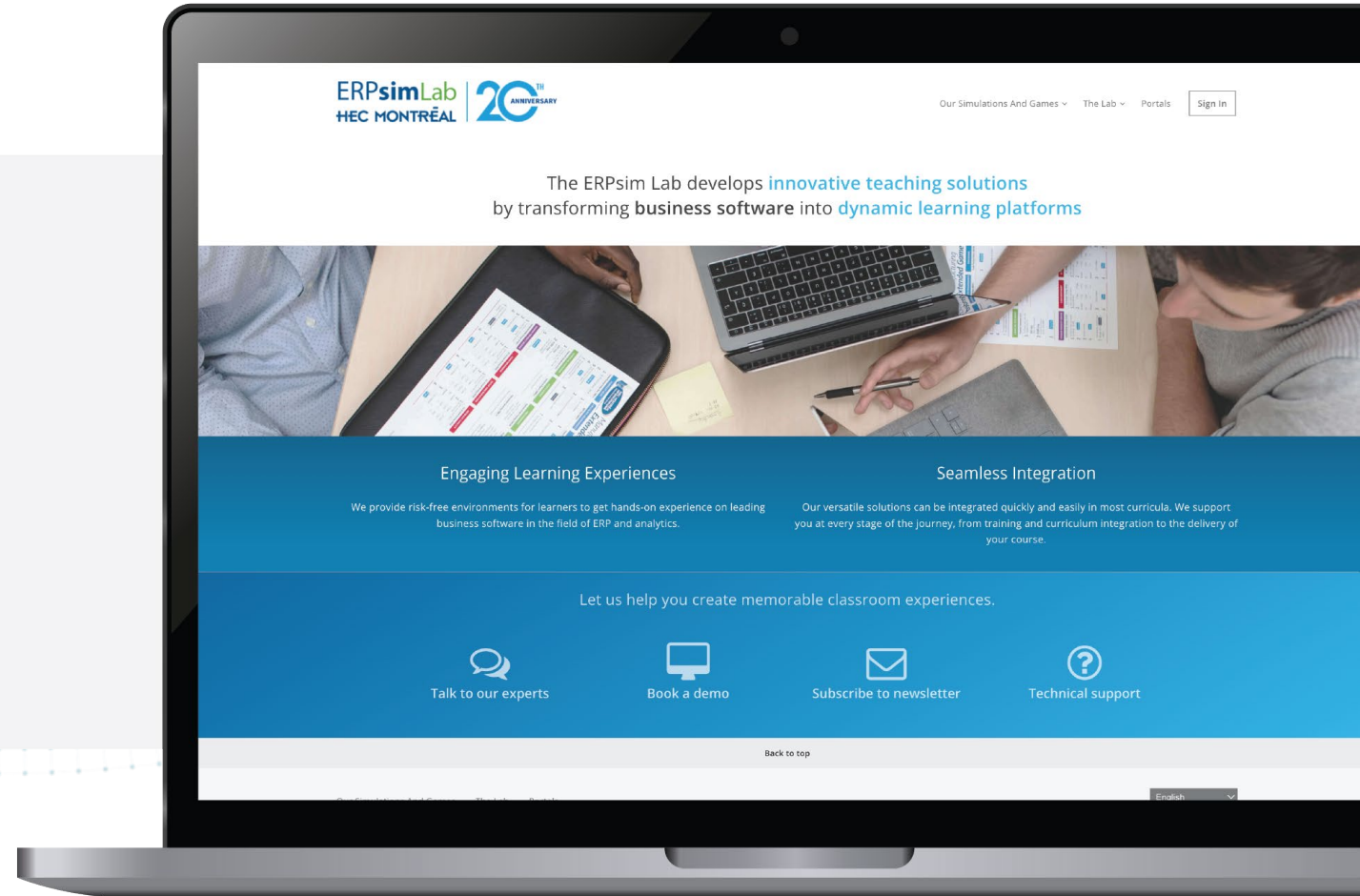


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# Thank you!

Learn more about ERPsim Lab

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