STEM Leadership Faculty Professional Development Workshop Outline

Workshop Leader(s)	Dr. Jim Egenrieder
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Title	**Research Professor and Program Director**
Workshop Goals	These workshops will provide opportunities for faculty participants to discover and implement curriculum and instruction strategies that improve student engagement and outcomes (success).
Workshop Objectives	In these workshops, university leaders and their faculty will be able to demonstrate competencies in the following areas: 1. Understanding and explaining principles of curriculum and instructional design; 2. Know, understand, and apply planning, assessment, and instructional strategies that result in student success; 3. Collaboratively build professional capacity within their university departments and a rigorous curriculum; 4. Integrate technology in curriculum and instruction to enhance understanding, student engagement, and student-faculty communication; and 5. Develop course outlines, assessments, and learning activities that can be used immediately within their courses.
Workshop Description	These workshops were developed with the support of USAID and the US Embassy in Iraq, through a partnership between IREX, Diyala University and Thi Qar University, and Virginia Tech faculty.
Texts/Resources	All materials necessary are provided by the Ministry of Higher Education and Scientific Research and the Workshop leaders (see agenda LINKs).

Workshop Topics Overview

Workshop	Major Topics/Units
1 - Date	Curriculum Updates and Outlines
2 - Date	Assessments (Planning Assignments, Projects, and Exams)
3 - Date	Developing a Pacing Guide (by Semester week and daily schedules)
4 - Date	Instructional Strategies
5 - Date	**Recognition Ceremony** Participant Reflections Workshop Evaluation

Workshop 1 Topics - *Curriculum Updates and Outlines*

Objective(s): ***Identify all topics that must be addressed during the semester, and ensure that priority topics (most important concepts) are fully explored.***

Time	Major Topics/Units
9am	Introductions Goals and Objectives of the STEM Leadership Workshops Overview of the Workshops Review of today's Objective(s) and Agenda Other Discussion
9:30am	Curriculum Updates from the Ministry of Higher Education and Scientific Research. Get them share their work
10am	Developing a Course Outline **Eight Standards of Higher Education Curriculum Rubric** *Slides* - **LINK** *Handout* - **LINK** Course Goals and Learning Objectives - **LINK**
10:45	Questions and Discussion Preparation for Next Workshop
11am	Adjourn

Workshop 2 Topics - *Assessments (Planning Assignments, Projects, and Exams)*

Objective(s): ***To develop a plan that supports students, improves their outcomes (successes) and provides an accurate evaluation of their progress and readiness for future courses.***

Time	Major Topics/Units
9am	Introductions Review of Previous Workshops Review of today's Objective(s) and Agenda and Objectives Other Discussion
9:30am	Discussing the Purpose of Assessment Types of Assessment (Diagnostic, Formative, Summative) Slides, Handout
10:30am	Adding Assessment to your Course Outlines
10:45	Questions and Discussion Preparation for Next Workshop
11am	Adjourn

Workshop 3 Topics - *Developing a Pacing Guide*

Objective(s): ***To develop a plan for course activities each week and lecture day of the semester that includes all topics, emphasizing priority major concepts, and considers your assessment plan.***

Time	Major Topics/Units
9am	Introductions Review of Previous Workshops Review of today's Objective(s) and Agenda and Objectives Other Discussion
9:30am	Planning every Course Meeting for the Semester Examples - by week, by module, by assignment
9:45am	Developing a Pacing Guide (by Semester week and daily schedules)
10:45am	Vertical Team Reviews
11am	Adjourn

Workshop 4 Topics - *Focus on Instruction*

Objective(s): ***Develop learning experiences, learning environments, and classroom and lab activities that help students take responsibility for their own success.***

Time	Major Topics/Units
9am	Introductions Review of Previous Workshops Review of today's Objective(s) and Agenda and Objectives Other Discussion

9:30am	Student-centered instruction
	Considering the students perspective and identifying
	
	    Teaching Styles - Slides, Handout
	
	    Project-Based Learning - Slides Handout

11am	Adjourn

Final meeting - Evaluation and Closing Ceremony

Objective(s): ***To reflect on the Department's efforts to improve student engagement and outcomes (successes), provide feedback for workshop leaders and participants, and celebrate faculty participation.***

Time	Major Topics/Units
9am	Introductions Review of Previous Workshops Review of today's Objective(s) and Agenda and Objectives Other Discussion
9:30am	Department faculty participants presentations of their Course Outlines, Assessment Plans, and Pacing Guide
10:00am	Discussion
10:30am	Presentation of Certificates Online Evaluation Form
11am	Adjourn