



## INSTRUCTOR APPROVAL FORM AGC'S BIM EDUCATION PROGRAM

### *UNIT 1: AN INTRODUCTION TO BUILDING INFORMATION MODELING, 2<sup>ND</sup> EDITION*

#### **BIM Education Program and Credentialing**

The Building Information Modeling Education Program (BIM EP) and the corresponding Certificate of Management — Building Information Modeling (CM-BIM) were developed in conjunction with leading BIM practitioners, technology firms, legal professionals, educators, and testing experts to serve as the standard curriculum for the commercial construction industry. The BIM EP is comprised of four courses:

- *Unit 1: An Introduction to Building Information Modeling, 2<sup>nd</sup> edition*
- *Unit 2: BIM Technology, 2<sup>nd</sup> edition*
- *Unit 3: Contract Negotiation and Risk Allocation, 1<sup>st</sup> edition*
- *Unit 4: Process, Adoption, and Integration, 1<sup>st</sup> edition*

#### **Facilitation Skills**

Instructors should be well-versed in the contents of the course materials, knowledgeable of the course format and committed to helping the attendees achieve the course learning objectives. AGC of America welcomes and encourages instructors to add personal experiences, case studies, examples, exercises and visual aids.

In addition to having excellent communication and listening skills, facilitators must:

- Be skilled at leading class activities and ensuring that learners actively engage with course content and activities.
- Encourage everyone's participation in the discussions, keeping the group focused and on track without dominating discussion and group processes.
- Expect to spend between 16 to 24 hours preparing and familiarizing themselves with the materials.
- Maintain a positive attitude and professional approach to the presentation of course material.

## Overview of Unit 1

*Unit 1: An Introduction to Building Information Modeling* is an eight-hour, instructor-led course that provides an overview of BIM terminology and practices while introducing important concepts necessary to understand how BIM is changing the construction process.

The course consists of four sessions:

- Session 1: What is Building Information Modeling?
- Session 2: BIM Use Cases
- Session 3: Beyond Basic BIM
- Session 4: Getting Started with BIM

AGC of America relies on approved instructors to ensure participants master the course learning objectives:

- Recognize the importance of BIM;
- Define common BIM terminology;
- Discuss how BIM can be used as a communication and collaboration tool;
- Explain the benefits of BIM;
- Explain the federated model process;
- Compare examples of successful BIM usage;
- Discuss issues associated with starting BIM; and
- Create a Company BIM Assessment.

## Instructor Statement of Qualifications

AGC of America has established the following minimum requirements for approved instructors. Please **check the boxes** below to note that you have complied with each requirement, then sign and submit your form to the AGC of America staff contact. All instructors must have:

- An understanding of BIM concepts and terminology.
- An understanding of the roles and responsibilities of project team members on a project using BIM.
- Experience leading BIM implementation on several projects as a construction professional.
- Experience initiating BIM from within a construction firm.
- Experience leading, or playing a major role, in coordination meetings.
- Experience with federated models.
- An understanding of BIM visualization uses and the mechanics of spatial coordination.
- Knowledge of BIM use in scheduling, estimating, quantity takeoff and facility management.
- Knowledge of new BIM developments, such as horizontal BIM, laser scanning, Cloud computing and mobile and field computing.
- Knowledge of the implementation challenges and risks associated with implementing BIM.
- A background in the tools associated with BIM.
- The ability to make the presentation entirely BIM “product neutral,” neither endorsing specific BIM tools, nor showing bias, through actions or professional affiliations.

Please provide specific examples of how you meet the above requirements

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