

# Good Practices in Building Construction

## Course Description

The course is designed to introduce to trainees the best practices in building construction. Students will learn different construction management tools and systems that they can incorporate in construction planning to create and develop buildings that are not only sustainable but fits the best practices in construction

## Learning Outcomes

- Understand the different guidelines in constructing your buildings.
- Understand that building management is not just about constructing but also leadership.
- Understand the importance of Sustainable buildings in this current period.

## Teaching Methods

This course will use lectures with visual presentation. Students will also be encourage to share their ideas to create an interactive discussion in the class.

## Course Outline

### Building Management

- Maximizing Resources
- Developing your Plan
- Budget and Scope
- Procurement Process
- Construction Guidelines

### Decision-making

- Managing your Staff
- Importance of Leadership
- Importance of Communication

### Management Tool and Systems

- Risk Management
- Value Management
- Importance of Partnerships
- Benchmarking
- Supply Chain Management
- Quality Management

### Choosing the right design

- Designing Principles
- Structures
- Foundations
- Construction Materials

### Sustainability Building

- Importance of Sustainability Construction
- Strategies in Sustainability Constructions
- Types of Sustainable houses
- Recent Developments in Sustainability Construction

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**Industrial Advancement Academy of the Philippines**

708 Victoria corner Escuela Streets, Intramuros, Manila 1002

Tel No.: +63 2 241-2598/ 527-9032

Website: [www.iaap.edu.ph](http://www.iaap.edu.ph)

Email: [info@iaap.education](mailto:info@iaap.education)

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