



Architectural Engineering

Grade Level: Post Secondary/Graduate Level

Overview	<ul style="list-style-type: none"> • To teach graduate-engineers to critically analyze blueprints of different objects. • Future architects will also gain from this kind of lesson.
Objectives	<ul style="list-style-type: none"> • To let students see how buildings, monuments, other constructions are assembled. • Also to be able analyze blueprints with a criticism and skepticism so they develop an eye for spotting faults and how to make improvements on constructs.
Materials	<ul style="list-style-type: none"> • Blueprints of buildings • Monuments dimensions • Internet connection • Computer • Crocodoc.com¹
Procedure	<ul style="list-style-type: none"> • The Graduates will receive an URL (unique to that student) from the Professor. • The Graduates will go to Crocodoc and view their given blueprint. • Then, the graduates will analyze the document. • The students will determine if there are any changes that need to be made and make them. • The Graduates will add comments explaining why they made the changes they did.
Evaluation	<ul style="list-style-type: none"> • The teacher has beforehand made a couple of changes to the blueprints, added faults etc, the evaluation will be focused on how many and what faults the student noticed and commented on. • The teacher looks more on the innovative and the way the student is thinking about constructs when evaluating. How good the new ideas and how necessary are the changes that the student has made.

¹ <http://www.crocodoc.com>