

Name: _____
First or Given Name Last or Family Name

Undergraduate Institution _____

Architectonic Systems (ARCH 2240)

	Course Number	Course Name	Grade
<u>Fundamental knowledge and principles including:</u>			
Building physics and structural reasoning: resisting dead and live loads	_____	_____	_____
Resisting gravitational loads	_____	_____	_____
Resisting lateral wind and seismic loads	_____	_____	_____
Geotechnical considerations	_____	_____	_____
<u>Ability to design constructional systems as general framing and in constructional detail</u>			
Foundation Construction: shallow and deep foundation types, excavation types, shoring types, water management	_____	_____	_____
Wood Construction: wood properties, heavy timber, mass timber and engineered lumber, wood light framing	_____	_____	_____
Masonry Construction: Stone, brick, concrete masonry unit, cavity wall construction	_____	_____	_____
Steel Construction: steel properties, structural framing patterns, lateral bracing and structural cores, steel connections, composite steel decking, light gauge steel	_____	_____	_____
Concrete Construction: site cast, precast, prestressing	_____	_____	_____
Building Enclosure Construction: curtain wall types, wood light framing enclosures	_____	_____	_____
<u>Understanding theory and cultural impact of constructional systems design</u>			
Embodied energy and carbon	_____	_____	_____
Cultural and labor implications	_____	_____	_____
Building systems integration	_____	_____	_____