**Module 6- Individual Homework Assignment**

**View the video** [Building Materials](https://www.youtube.com/watch?v=jM-MLTsxbHk) (15:01)

Consider answers to the following questions for class discussion:

As you watch the video, think about the following questions (**don’t have to turn these in**):

1. What makes a material a ‘smart’ material?
2. What properties of smart materials are useful in their non-construction applications?
3. What properties of smart materials are useful in their construction applications?
4. What are the benefits and limitations of using smart materials in building construction or repair?
5. How might smart materials assist humans during natural disasters?
6. Where should smart materials be employed in buildings to be most useful?
7. Is cost an obstacle to more widespread usage of smart materials?

**Turn-in the following assignment on Day 3:**

**Assignment:** Take or find a photo of a modern concrete social space (any space which has been designed for public use and constructed from concrete, such as a theatre, stadium or sports venue, museum, airport, or shopping mall) and preferably one that you have seen both inside and outside.

Complete the following analysis of the elements of this space (include a copy of your photo in your assignment, bring another copy to class on Day 3):

1. How do people inhabit and use this space?
2. How and where does the space use concrete?
3. What is the role of the space in modern American society? (its social function, and what it symbolizes in American culture)
4. How does concrete afford this space’s social function?
5. If you had “Smart Materials for Construction” instead of concrete, how would you manipulate this structure? Would this support or alter its current social function and symbolism?

Please answer these questions in either bullet points or full sentences. Your responses will probably take ½ to 1 page. Assignment will be graded on effort, use of the lecture, video, and reading materials, and thoughtful reflection. A cover page is not necessary. Be sure your name is on the assignment.

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Grading Rubric.

2= Responses are appropriate, thoughtful, and indicate engagement with the video and any other required viewing/reading materials.  Grammar, sentence structure and punctuation are correct.

1= Responses and arguments are incomplete and/or inconsistent with the required viewing/reading material. Some issues with grammar, punctuation and or sentence structure.

0= Responses are not appropriate to the assignment or missing entirely. Major issues with grammar, punctuation and or sentence structure.

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Points = 2 Bottom of Form