**Module 12- Individual Homework Assignment**

**View the video** [2-D Materials](https://www.youtube.com/watch?v=qYtzOMimiiY) (13:49)

ReadKuang, Cliff (2013) “Why a New Golden Age for UI Design Is Around the Corner”. *Wired Magazine*, September: 142-147. <http://www.wired.com/design/2013/08/design-and-the-digital-world/>

The homework has **two parts.**

**Turn-in Written Assignment for Grade before the start of class on Day 3.**

**Part 1:** Schedule and conduct a 15-minute interview with someone you know (a friend, roommate, relative, co-worker, etc.). The exact interview questions are up to you, but we suggest that you discuss how people feel about the digital technologies that they use in their everyday lives. What are their personal relationships to these materials and artifacts? How do these artifacts mediate their relationships with other people, and how do they use them to develop their own self-identities? Take notes during the interview (about 1 page, hand-written or typed). **You will submit these notes with the homework below. Please do not include any identifying details about the person that you interviewed (e.g., name, address, job location/title).**

**Part 2:** Answer the following questions:

1. In the IMOS video on 2-D materials, is the current use of semiconductors being driven by any social needs?
2. In the IMOS video, why is MoS2 being considered for transistors rather than grapheme?
3. In the IMOS video, what are nanomaterials and what are some of the requirements for studying these materials?
4. In the *Wired Magazine* article, what do you think is the most important point made by this article regarding how we think about the social impact of ubiquitous 2D materials?
5. What were the most significant desires and concerns that emerged in your interview about his or her relationship to digital devices? Do you feel that a move to 2D materials will address these desires and concerns or not?

Please answer your chosen question in either bullet points or full sentences. Your response will probably take 1½ to 2 pages. 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. We’ll build on your responses with the in-class group activity.

Grading Rubric.

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

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

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

Top of Form

Points = 5