# APRIL 11, 2023

## DRAFTING ADVISORY BOARD MEMBERS

Joe Nobles
   Industrial Designer, Design Director, Tournesol Siteworks
Bob Sherens
   Dean of Architecture Kent State, Emeritus
Nickolas Smith
   CADD Layout Design Drafter A, Northrup-Grumman, Santa Clara, CA
Will Whitted
   Industrial Designer / Engineer, Google, Retired
Michael Toschi
   Michael Toschi International ~Hand-made Italian Shoes & Clothes
Lilya Vorobey
   Professor, Drafting Technology, CSM
Diana Bennett (Absent)
   Professor, Digital Media - DGME, CSM

## AGENDA / MINUTES

Meeting began at 6:35
Location:  iDumpling, Redwood City, CA

- *Introductions*
- *Update on Drafting Program*  L. Vorobey
    - All classes are now asynchronous.
    - No Textbook – roughly 150 pages of handouts per class.
    - Student ages run from high-school students to retired engineers, architects, designers.
    - Attrition rate similar to face-to-face classes.
        - Exit survey with students who were struggling and wished to drop the class complained that they weren't able to keep up with the homework.  A 3-unit class requires 9-15 hours of work per week.  Every assignment has a due date roughly 3 weeks later. Most students leave the course work until Sundays since assignments are due on Sundays at 11:59pm.
    - Course additions includes more discussion about videos that are about preference.  Angela Duckworth's GRIT Text Talk prompted many to rethink why they were taking a drafting course.
- *Discussion Topic: What has media done to students?*
    - BS: *Sound bites have lessened the attention span.* Bob spoke about how news stories have been reduced to simple and outlined form of hit points with little supporting information.
    LV: Students have difficulty reading (many ESL students). Course handouts are full

of course specific terminology. End result is that students do not read the directions before they create the assignments (drawings).

WW: Can you have an entry English exam?  LV: Prerequisite is a basic English course or equivalent.

- *Open Conversation* – Discussion
  - **What other programs are popular?**  Which software programs could be added to the DRAF Program?
    - Rhino?
    - Keyshot? – a rendering program – would enhance AutoCad 3D (we do not offer that course any more) & Solidworks.  It would only enhance the work of two classes.
    - Creo?  - NS uses Creo at Northrup.  Very difficult program that is not intuitive.
  - **Any other skill sets to add to the following list?**
    Additions are in red.

Meeting Adjourned at 7:15

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## SKILL SETS EMPLOYERS LOOK FOR IN CAD DRAFTERS

*Communication*
Written communication, nonverbal communication, verbal communication, active listening, conciseness

*Teamwork*
Empathy, coordination, conflict management

*Work ethic*
Discipline, integrity, accountability, self-initiative ABILITY TO WORK INDEPENDENTLY (at home).

*Computer skills*
In addition to the specific CAD software, Microsoft Office Suite, e-mail management

*Time management*
Planning, self-starting, prioritization, goal setting, organization, delegation

*Interpersonal skills*
Presentation skills, risk-taking, diplomacy, tolerance, sensitivity, patience, flexibility

*Additional Skills*
The ability to create hand sketches and drawings, create and lead PowerPoint presentations.
Ability to edit photographs for displays, presentations.
Ability to write outlines for presentations.