

4/30/2021

**Palomar College Architecture and Interior Design Advisory Agenda:**

1. Updates from ID and Arch departments
2. Software and hardware used in classes
3. Employment outlook

**Attendees:**

Sherrie L. Pantalon  
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Jessica Newman  
Palomar College  
Full-Time Faculty for Interior Design Program

Joseph Lucido  
Palomar College  
Full-time Faculty for Architecture Program

**2. Updates**

**Interior Design:** Jessica reminded everyone of our stated Program Outcome for the Interior Design program: **A successful student is prepared for professional employment in interior design, or transfer to a four-year program. A workforce ready portfolio is produced as part of the program.** We have a new class that was approved: ID250 ID Capstone, however it has not yet been approved as an addition to our program (this should happen soon). Students will leave the class with a web page, linked-in profile, business card with personalized logo, resume, and portfolio. The class will also focus on legal, ethical and business issues such as contracts and project management. It will run for the first time this Spring 2022. All attendees agreed that this will be beneficial for our students. Laura suggested that the class could include an job/internship bank.

Jessica said that once our programs are approved and finalized, we will be pursuing transfer agreements for interior design students with the following schools; Design Institute, Woodbury, Newschool, and SDSU.

Jessica said she had good news that we were approved for Glowforge Laser cutter! The unit is much smaller and more user-friendly than the huge industrial machine we were discussing last year. It will be great for model-making (and will fit on a table). We were also able to purchase an 11" x 17" scanner for the classroom with last year's funds. I am hoping to get these things installed over the summer. Laura said that AutoCAD and Revit classes could create and print a design. It would be cool to get corian, wood, or laminate scraps to use. Furniture manufacturers are starting to use 3D printers to make models of their new furniture designs. Also, contractors are starting to use 3D printers to actually build 3D homes

**Architecture:** Joe said that he had 3 wall sections built through a grant with SDGE. He also has these drawn in Revit if any instructors would like to use them as a teaching tool. He is looking for feedback if there is anything you'd like to see added to these (they'll be in room DA-12, and they are on casters).

### **3. Software and hardware used for Arch/Interior Design classes:**

**ID: AutoCAD, Revit, Sketch up, 2020, Photoshop, InDesign**

**Arch: AutoCAD, Revit, Sketch up, Photoshop**

Autodesk Certification: Laura has been spearheading an effort to get our students certified by Autodesk. We had a meeting about an month ago with a representative from Autodesk, and it looks promising! Interior Design students currently take a Beginning Autocad and a Beginning Revit class as part of the ID programs. The Architecture department teaches these classes as well, and has an Advanced class in each. The plan is for students to take a test at the end of the Advanced Autocad class for a certificate in Autocad and a test at the end of Advanced Revit for

a certificate in Revit. Although ID students are not required to take the advanced classes, Jessica said she believes some will choose to take those classes in order to gain the Autodesk certification. This is especially important for students who are looking to enter the workforce right away without transferring to a 4 year program.

Joe and Jessica also talked about creating a new certificate program (possible name: Design Technology Certificate) that would encompass all four classes (2 autocad and 2 revit) where students would exit with both Autodesk certifications. We feel this would be a good option for professionals already in the field who need to gain technology skills. Jessica asked should we add a 2020 class to this? Sherrie, said that she is not aware of an official certification for 2020. Jessica brought up the possibility of adding a dedicated Sketch Up class for this certificate, but adding a new class would be problematic considering our very limited class allotment. Laura suggested that the Design Technology Certification program is probably the wave of the future! Besides Architecture & Interior Design, it could incorporate dual / overlapping classes from the drafting department, Adobe, Fashion, and Graphic Arts Depts. too.

Software: Everyone agreed the current software being used by the programs is the same as what is used in the industry. Everyone also agreed that being able to utilize Lumion would be even more up to date with industry standards.

Jessica said that using the Perkins 2020 funds we were able to purchase an 11" x 17" flatbed scanner, laser cutter, and full set of markers with refills for our students to use.

Hardware: Everyone agreed that classroom computers are an issue. We actually have software (Lumion) that we can't use because our computers can't run it! We will be requesting new computers for DA-12. Of course we'll look at the specs for each program, but if you have any thoughts or suggestions on what we need for hardware, please let us know.

Aura suggested that we could use gaming computers with quad cores, highest possible CPU speed, 1T of RAM and 2-4T hard drive storage, multiple self-cooling fans. With cloud storage, the top capacity is not as critical now, but these software programs eat up storage. We could also use dual monitors for each student. It is easier to view what needs to be done on one monitor, then actually draw on the other monitor. If we want to be fancy, the clear acrylic computers with LED lighting are cool. Laura also suggested adding tablets/IPADS with tech pencils for sketching, etc. She said she has never seen a Wyzenbeck machine for testing fabric abrasion resistance, or any flame-resistance testing equipment in the classroom. Do we have any of these machines? Students really benefit from learning about these tests. She also asked do the students tour the woodworking department at Palomar which has a CNC machine or a local source?

Luisa responded that when she teaches ID 105, materials class, we tour the woodworking department and build small models from a variety of woods, including exotics. Additionally we talk about, third party companies, which combine flame resistance for materials and fire code for overall compliance. From previous experience the Wyzenbeck machines are cost-prohibitive and a maintenance nightmare.

#### **4. Employment outlook**

Everyone agreed that residential designers and architects are very busy now. Additionally, Jessica has heard from colleagues looking to hire students for office and retail design. Hospitality design is the only area not doing well right now due to the pandemic, but should be seeing a resurgence when the mask mandates are lifted and people begin to travel and go to restaurants again.

Sherrie has a wonderful opportunity for our students who are successful with 2020. She was contacted by 2020, and they said they are often contacted by firms looking for students who are trained in 2020. We will be partnering with them to match students to job openings!