

**IPRO 314 - SPRING 2006**  
**Objectives**

**Stand**

Fill, sand, prime, and paint, drill and tap in eye bolts, drill holes for pump and pinch block, wood supports.

**Basin**

Fill, sand, prime and send out for coating.

**Drum**

Finish assembly of second drum.

**Blood Pump**

Continue machining, fitting, and testing to finished product, base plate, and chain.

**Axles and Couplings**

Continue machining, fitting, and testing to finished product.

**New Items**

Design and fabricate drum drive gear and pulley, and fit.

Acquire electric motor and control, construct wooden base, and assemble with belt.

Clot and bubble catcher: design and fabricate components including glass chamber.

Splash shield: design and fabricate.

Wooden reel for cellophane: design, construct, and varnish.

Heparin glass burette: design and fabricate.

Glass canulae.

Heater assembly and regulator: design and fabricate.

**Additional Museum Objectives**

Print out 2D schematics on 36" poster paper.

Design and develop animation for each component and total package.