Art 297: Anatomy of Expression Syllabus

Communication with your instructor:
All questions and concerns directly related to the content are to be directed to the instructor through Angel Mail. The instructor will respond to emails within a 24-hours time frame, usually less.

Course Description:
Anatomy of Expression is an introduction to the musculo-skeletal anatomy of the head through forensic reconstruction techniques. Students will have a choice to apply their knowledge to comparative anatomy, conceptual art, traditional portrait sculpture, or digital character generation.

Goal:
The over-arching goal of this course is to give you an indepth understanding of cranio-facial anatomy and the tools to apply that knowledge to your other work, be it art, animation, forensics, paleontology, or zoology.

The course is a rigorous one and you will asked to use both your scientific and aesthetic sensibilities for each lesson. Expect a rewarding and memorable challenge.

Course Objectives
Upon completion of this course you will be able to:

- Build a forensic reconstruction of a face from a skull.
- Apply craniofacial anatomy to another species, a portrait, conceptual art, or an animation mesh.

Course Materials
Required text: Forensic Facial Reconstruction by Caroline Wilkinson. Paperback.

Required Materials for this course include:
Part 1: Forensic Reconstruction

Item	**Source**	**Online Sources**
X-acto knife with No 11 blade	art, craft, or office store	
Vinyl erasers, 2 packs Tuff Stuff 648181, or whatever is available.	Office supply Store	toolfetch
hot glue gun- can be very inexpensive	any craft store	--
6 lb oil based clay. Chavant HM brown suggested. Medium hardness.	online	theengineerguy compleatsculptor utrechtart.com
2 eyes- brown • Glastic Realistic 5050 24mm	online	Playhouse 1 Playhouse 2
Pastic skull MUST BE LIFE SIZE	online	ShopAnatomical Amazon 1 Amazon 2

		anatomical
12-inch ruler with mm	any	
½" pipe flange	hardware store	
12" length of ½" cast iron pipe, threaded on at least 1 end.	hardware store	
12" x 12" board, ¾" thick plywood or similar.	hardware store	
4 ¾" wood screws to affix the flange to the board	hardware store	
6 or 8 inch calipers	art supply store	UtrechtArt sculpturehouse sculpturehouse
modeling tool	art supply store	UtrechtArt
Loop tool (different than ceramic ribbon tool	art supply store	utrechtart sculpturehouse

Part 2: Anatomical Applications Project
Additional materials that you will require depend upon which track you select. Please look at the Supplies Page associated with each track (2A, 2B, 2C, or 2D) to see what you will need. You can find that page through the Navigation pane on the left.

Grading Scale
Overall Grading Scale:
A 934 - 1025
A- 900 - 933
B+ 867 - 899
B 834 - 877
B- 800 - 833
C+ 767 - 799
C 700 - 766
D 650 - 699
F 0 - 649

Assignment Grading Scale:

Assignment	Number of Assignments	Points per Assignment	Total Points
Orientation Activity	1	25 pts	25 pts
Forensic Reconstruction Project	7	50 to 150 pts each	500 pts
Application Project	6 or 7, depending on track	50 to 200 pts each	500 pts
		Total	**1025**

Lesson Format
This course adheres to a very unique format consisting of two units. The Unit 1 provides you with the basic skills you will need to progress to Unit 2. After completing the first unit on Forensics you will have the option to choose from the following tracks:

- Comparative Anatomy
- Portrait Sculpture
- Conceptual Anatomy
- Digital

These tracks are identified under the Unit 2 Options header in the Left Navigation. You will have the first several weeks of the course to skim over the information listed in these tracks. This provides you with the opportunity to discover what track might appeal to you the most. Please remember that you should not complete all of the tracks. You will only complete Unit 1: Forensics and one Unit 2: Option of your choosing.

Each lesson will consist of different components, so be sure to read the Steps To Completeion in each lesson carefully. An evaluation rubric will be provided for each lesson so that you know exactly how I will evaluate your work. This class is a mix of science and art, so expect a diversity of assignments.

Lessons may include some of the following components:

- Online and textbook readings
- Hands-on sculpture activities
- Observations
- Progress Reports
- Sketches
- Concept Proposals

Detailed instructions for each component will be given. Read the instructions carefully before completing a lesson component. If anything is unclear, feel free to contact the instructor. They are there to help you succeed in the class.

Technical Requirements
Before participating in or accessing any other portions of this course you will need to check your computer to ensure that it has all the required programs

Operating System	Windows 2000/XP or Vista, Mac OS 10.2 or higher (10.3 or higher recommended)
Processor	1GHz or higher
Memory	256 MB of RAM
Hard Drive Space	500 MB free disk space
Browser	Mac OS X: Firefox (current version) Windows: Firefox (current version) Note: Cookies, Java, and JavaScript must be enables. Pop-up blockers should be configured to permit new windows from Penn State web sites. Due to nonstandard handling of CSS, JavaScript and caching, we do not support using Internet Explorer 6 as your browser.

	Firefox is preferred as it will provide the fastest and most reliable experience possible for e-Learning Institute courses.
Plug-ins	Flash Player [http://get.adobe.com/flashplayer/] Adobe Reader [http://get.adobe.com/reader/]
Additional Software	Microsoft Office http://www.apple.com/itunes/download/
Internet Connection	Broadband (cable or DSL) connection required
Printer	Access to graphics-capable printer
DVD-ROM	Required
Sound Card, Microphone, and Speakers	Required
Monitor	Monitor (Capable of at least 1024 x 768 resolution)

Need further Assistance?
If you encounter any technical issues regarding this course please contact the appropriate people as listed below:

Issues/Complications	Point of Contact	Method of Contact
Questions/concerns regarding the course content	Course Instructor	Angel mail only
Problems pertaining to the course website	e-Learning Institute	helpdesk@elearning.psu.edu
Problems resulting in Angel (quizzes not functioning, inability to access your course section, etc.)	Angel Support	AngelSupport@psu.edu

Submitting Requests for Technical Assistance
If you find you're in need of technical assistance, please understand that more information you provide in the initial request, the faster you issue may be resolved. If the appropriate information is provided up front you're issue may be resolved within a few minutes of technical support receiving the email. If enough information is not provided it may take several days and a series of emails to obtain the right details to identify where the problem lies. This can result in important deadlines being missed and valuable assignments receiving point deductions.

When submitting requests please include the following information.

Information needed:	Good example:	Bad example:
Name and ID	Jane Smith, jls101	
Course Title, section #, and group or team assignment	Physics 101, section 2, team 1	
Browser and version	Mozilla Firefox, version 3.0.7	
Specific description of the problem including any error messages you receive	When I try and save content to the page I get an error message that says "Unable to upload content at this time".	Hey there its Jimmy, my course site isn't working can you fix it?

Course Policies

Late Policy

Don't get behind. Let me know if you are struggling to keep up BEFORE the assignments are late. If late assignments occur repeatedly, without justification AND advanced notice, I doc points depending on your reasons, excuses, and overall participation to date (usually about 1 letter grade per week of lateness). In other words, stay on top of the assignments and let me know ahead of time if you have a good reason to be late.

Students with Disabilities

As with any Penn State University course, we welcome students with disabilities to participate in online courses offered by the College of Arts and Architecture. Please access the following link to ensure your needs are accommodated appropriately.

World Campus

University Park

Plagiarism and Academic Dishonesty

What is Plagiarism and how can I avoid it? This is an important question that every student ask themselves at some point during their college years. Plagiarism is accepting credit for someone else's work. Even if one commits plagiarism unknowingly it is still considered inappropriate. Credit should be awarded to the original creator of the work through proper citations and referencing within your work. For more detailed information on how to avoid plagiarism and academic dishonesty you should view Penn State's policy page on these items.

Academic Integrity at Penn State

Arts and Architecture Policy

Since Plagiarism is considered a serious offense, Penn State has created a tutorial that will provide you with a complete understanding of how to participate in your collegiate experience with academic honor. This tutorial has several items listed on the page. You are encouraged to read through them all, beginning with the Learning Objectives and working your way down the page.

Plagiarism

Statement of Non-discrimination

The Pennsylvania State University is committed to a policy that all persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by Commonwealth or Federal authorities. Penn State does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status. Direct all inquiries to the Affirmative Action Office, 211 Willard Building.

Good Netiquette:

Although the course is offered online, and there is no face to face interaction between you and the instructor of the course, communication through email is highly encouraged to address any and all questions or concerns that you may have with the course.

The following points should be remembered when emailing in an online environment:

- Introduce yourself - use your first and last name
- Clearly state your reason for contacting them
- If you are responding to an email, include the message to which you are replying

- Before forwarding someone's email, ask for permission
- Review/re-read the message to ensure the message is clear and the intent is appropriate
- Be Professional - treating the professor with professionalism and respect will enable them to respond to you with the same courtesy.

Additional tips include:
- Selecting your words carefully
- Spell Check messages before sending them
- Refrain from using emoticons
- Refrain from using all Capital letters, it gives the impression you're SHOUTING!
- Remember to zip large files before sending them

Additional Netiquette Resources include the following links:

Kallos, J. (2006). Business E-mail Basics. mailto:NetM@nners.com, Business E-mail Etiquette. Retrieved April 28, 2006, from http://www.netmanners.com/business-email-basics.html

Montgomery, W.B. (2000, June 12). Top 7 Recommendations For Professional Email Netiquette.

Calendar
Unit 1: Forensics

Week 1:		
Orientation	Order Forensics Supplies Orientation Submissions Orientation	All tasks to be completed by Sunday 11:59pm
FORENSICS		
Week 2:		
Skull Intro	Readings Observations Photographs of Skull	Sunday 11:59pm Sunday 11:59pm
Week 3:		
Age, Race, Gender	Readings Skull Mounted Observations	Sunday 11:59pm Sunday 11:59pm
Week 4:		
Tissue Depth	Readings Selection of dataset Depth markers Observations	Wednesday 11:59pm Sunday 11:59pm Sunday 11:59pm
	SELECT UNIT 2 OPTION	**Sunday 11:59pm**
Week 5:		

Musculature	Readings Musculature Observations	 Sunday 11:59pm Sunday 11:59pm
	ORDER UNIT 2 SUPPLIES	**Sunday 11:59pm**
Week 6:		
Features	Readings Features Observations	 Sunday 11:59pm Sunday 11:59pm
Week 7:		
Glands and Skin	Readings Surface Form Observations	 Sunday 11:59pm Sunday 11:59pm
Week 8:		
Finished Work	Reading Finished Sculpture Observations	 Sunday 11:59pm Sunday 11:59pm

Unit 2: Comparative Anatomy
Unit Options

Week 9:		
Research		
Week 10:		
Research continued	Research Report	Sunday 11:59pm
Week 11:		
Mount and Prep	Skull Mount and Prep	Sunday 11:59pm
Week 12:		
Musculature	Progress Report	Sunday 11:59pm
Week 13:		
Musculature and Features	Progress Report	Sunday 11:59pm
Week 14:		
Glands, Adipose, and Skin	Surface	Sunday 11:59pm
Week 15:		
Finished Project	Finish	Friday 11:59pm

Unit 2: Portrait Sculpture

Week 9:		
Measurements and armature	Measurements Armature	Sunday 11:59pm Sunday 11:59pm
Week 10:		

Blocks	Blocks	Sunday 11:59pm
Week 11:		
Musculature and Features	Musculature and Features	Sunday 11:59pm
Week 12:		
Hair, Base, Clothes	Hair, Base, Clothes	Sunday 11:59pm
Week 13:		
Modeling	Resolved Bust	Sunday 11:59pm
Week 14:		
Mold making and Casting	Mold Cast	Wednesday 11:59pm Sunday 11:59pm
Week 15:		
Finished Project	Finish	Friday 11:59pm

Unit 2: Conceptual Anatomy

Week 9:		
Research		
Week 10:		
Research Continued	Anatomy Collage	Sunday 11:59pm
Week 11:		
Concept Proposal	Proposal	Sunday 11:59pm
Week 12:		
Continue Work	Progress Report 1	Sunday 11:59pm
Week 13:		
Continue Work	Progress Report 2	Sunday 11:59pm
Week 14:		
Continue Work	Progress Report 3	Sunday 11:59pm
Week 15:		
Finished Project	Finish	Friday 11:59pm

Unit 2: Digital Mesh

Week 9:		
Blender Orientation	Orientation Project	Sunday 11:59pm
Week 10:		
Background Photos, Major Loops of Mesh	Background Images Framework	Sunday 11:59pm Sunday 11:59pm
Week 11:		
Mesh work- Face	Progress Report	Sunday 11:59pm

Week 12:		
Mesh work- Ears	Progress Report	Sunday 11:59pm
Week 13:		
Sculpting	Expressions Project	Sunday 11:59pm
Week 14:		
Expressions/Keyframes	Expressions	Sunday 11:59pm
Week 15:		
Animation	Finish	Friday 11:59pm