

Genetics 564			SPRING 2017
Date	Location	Notes	Topics Covered
January 17th, 2017	Genetics 1408		Intro to Course & Semester Long Project Overview
January 19th, 2017	150 Animal Sciences		LAB1: Website Creation & FASTA & BLAST/Entrez
January 24th, 2017	Genetics 1408	Guest speaker: Adam Steinberg	"How to give a good scientific presentation"
January 26th, 2017	150 Animal Sciences		LAB2: Specific Aims Day 1 + homework Given
January 31st, 2017	Genetics 1408	WebPage #1 due: Homepage w/Intro (10pts)	Next generation Sequencing
February 2nd, 2017	150 Animal Sciences	Specific Aims Homework (20pts)	LAB3: Homologene, CDD, start Presentation & Specific Aims Day 2 (20pts)
February 7th, 2017	Genetics 1408		Phylogenomics
February 9th, 2017	150 Animal Sciences	Specific Aims #1: Background/Gap Due (25pts)	LAB4: ClustalW, TreeBuilding
February 14th, 2017	Genetics 1408	Webpage #2 due: Genomics-Phylogenomics (10pts)	Domain, Motif and Gene Ontology Analysis
February 16th, 2017	150 Animal Sciences		LAB5: GO, PFAM & SMART & Protein Domain Slide Construction
February 21st, 2017	Genetics 1408	Rough draft #1 of presentation due (upload to website) (20pts)	High throughput genomics
February 23rd, 2017	150 Animal Sciences		LAB6: Model Organism Databases
February 28th, 2017	Genetics 1408	Specific Aims #2: B/G+Aim 1 (25pts)	Transcriptomics + Peer review homework given (20pts)
March 2nd, 2017	150 Animal Sciences		LAB7: Gene Expression Omnibus (GEO) & Specific Aims Day 3 (20pts)
March 7th, 2017	Genetics 1408	Webpage #3 due: Domains-Transcriptomics (10pts)	Chemical genetics
March 9th, 2017	150 Animal Sciences		LAB8: PubChem & Work on Presentations
March 14th, 2017	Genetics 1408		Proteomics I: Phosphoproteomics
March 16th, 2017	150 Animal Sciences	Specific Aims#3: B/G/A1+Aim 2 (50pts)	LAB9: Creating Interaction Networks I
March 21st, 2017		SPRING BREAK	
March 23rd, 2017		SPRING BREAK	
March 28th, 2017	Genetics 1408		Proteomics II: Quantitative
March 30th, 2017	150 Animal Sciences	Rough draft #2 of presentation due (upload to website) (20pts)	Specific Aims Day 4 (20pts) & Work on Presentations
April 4th, 2017	Genetics 1408		Biological Networks I
April 6th, 2017	150 Animal Sciences		LAB9: Creating Interaction Networks II & Peer Review Presentations
April 11th, 2017	Genetics 1408	Webpage #4 due: Homepage-Biological Networks I (10pts)	Biological Networks II
April 13th, 2017	150 Animal Sciences		LAB10: AIMS & Final Presentations
April 18th, 2017	Genetics 1408	Specific Aims Final Draft (B/G + All 3 aims) (100pts)	Final Presentations Overview & <i>possible fun</i>
April 20th, 2017	150 Animal Sciences		Final Presentations: 4 talks
April 25th, 2017	Genetics 1408		Final Presentations: 4 talks
April 27th, 2017	150 Animal Sciences		Final Presentations: 4 talks
May 2nd, 2017	Genetics 1408		Final Presentations : 4 talks
May 4th, 2017	150 Animal Sciences		Final Presentations : 4 talks
May 14th, 2017	FINAL EXAM	Final Project Due on Website (100 Total pts)	Final web project due

Gen564 Grade Breakdown 2017

Specific Aims: (total points: 300pts)

Specific Aims Day 1: Overview of Specific Aims & Evaluate Ahna's 2 different specific aims

***Homework:** Peer review previous Gen564 students' specific aims **(20pts)** (names hat)

Specific Aims Day 2: Students divide into groups & Class discussion **(20pts)**

Specific Aims #1: Background & GAP due to Ahna (bring 1 copy to class + Website upload)(**25pts**)

Specific Aims #2 Students submit Background/GAP + Aim1 (bring 3 copies to class + Website upload) **(25pts)**

***Homework:** Peer review sheets given, students pair in a group to review 2 specific aims **(20pts)**(names hat)

Specific Aims Day 3: Peer review class discussion time **(20pts)**

Specific Aims #3: Students submit their 2nd draft (bring 3 copies to class + Website upload) **(50pts)**

Specific Aims Day 4: Peer review of students' 2nd draft IN CLASS in groups of 2 with FINAL Rubric + discussion questions **(20pts)**(names hat)

Specific Aims Final Draft (#4): Students hand in final draft (with 3 Aims) to be graded using FINAL Rubric **(100pts)**

Final presentations: (total points: 200pts)

Rough draft #1: PPT/KEY/PDF format uploaded to your website **(20pts)** (names hat)

Rough draft #2: PPT/KEY/PDF format uploaded to your website **(20pts)**

Final talk: PDF format uploaded to your website **(20pts)**

Final Presentation: presentation graded **(140pts)**

First Group Presentation (Tuesday): **(100pts)**

Participation: Class Participation: **(100pts)**

Final Website: **(100pts)**(#1-#4 Website deadlines **(40pts)** + FINAL **(60pts)**)

TOTAL: 800pts

Grade Range: 756-800 (A) 721-752 (AB) 680-720 (B) 640-679 (BC) 600-639 (C) 0-599 (D/F)

***Any late submissions incur a 5pt late fee**