Check the appropriate box:	☑ New Cours	se □ Co	urse Modificati	on
Department/School <u>Schoo</u>	l of Education		Date October	1, 2022
Course No. or Level <u>EDUC</u>	<u>426</u> Title:	Seminar in A	utism and New	rodiversity
Semester hours: 1	Clock	hours: <u>15</u>	Lecture <u>15</u>	Laboratory <u>0</u>
Prerequisites: <u>None</u>				
Enrollment expectation: 20				
Indicate any course for whic	h this course is	a (an)		
modification_ (proposed change in	course title, co	urse descriptio	n, course conte	nt or method of instruction
substitute(The proposed new crequirement.)	ourse replaces	a deleted cours	se as a General	Education or program
alternate(The proposed new o	ourse can be ta	ken as an alter	nate to an exist	ing course.)
Name of person preparing c	ourse descriptio	on Jared Stewa	rt-Ginsburg	
Department Chairperson's/[···· 7	TOP-	,,
Provost's Signature	Peter	-/K		
Date of Implementation	_Fall 2023	·····	·	
Date of School/Department	approval	11/28/22		
Catalog description:				
neurodiversit	s designed for s	fits within the		about autism and ly for the interdisciplinary

2. What should the course do for the student?

neurodiversity

a. At the completion of the course, the learner will be able to:

Describe the definition, incidence, prevalence, and history of autism and

- ii. Explain one topic related to emergent trends in neurodiversity
- iii. Articulate societal and media portrayals of autism and neurodiversity

Teaching method planned: Observation and Classroom Implementation

Textbook and/or materials planned (including electronic/multimedia):

Various texts and materials are planned; see syllabus for a specific list.

Course Content

This course is designed for teacher candidates in the interdisciplinary Autism collateral and minor. Throughout the course, students will critically reflect on incidence, prevalence, history, and contemporary understandings of neurodiversity through the lens of disability rights and self-advocacy. Students will examine media portrayals of autism, advocacy, and emerging trends in supporting autistic individuals.

A course outline is attached.

When completed, forward to the Office of the Provost.



EDUC 426: Seminar in Autism and Neurodiversity

Francis Marion University

School of Education

Semester: xx Credit Hours: 1 Course Times: TBD

Instructor: TBA

COURSE INFORMATION

Course Description (1 Credits)

Neurodiversity and neurodivergence are terms developed by autistic activists and self-advocates to reframe neurological differences as normal variation. The movement of neurodiversity seeks to amplify the strengths and talents of neurodiverse individuals to innovate and shape society. This course will provide students with the knowledge, understanding, and skills to engage with and advocate for neurodiverse individuals. In this seminar, we will explore the history and etymology of autism and neurotypes, current policy guiding services for neurodivergence, research and innovation with neurodiverse students, and portrayal of neurodiversity in media.

COURSE ASSIGNMENTS

This course is based on 100 points. Therefore, every point you earn is worth 1% of your final grade. This adds to the transparency of the grading system across the semester. Along with each assignment, you will find brief descriptions of assignments. Refer to Blackboard for the complete descriptions, templates, and rubrics. You will receive explicit instruction in each assignment to prepare you for success.

Advocacy Activity	20
Interview Activity	20
Media Review	10
Reflection Journal	20
Class Discussions	10
Topical Paper	20
TOTAL	100

REQUIRED READINGS

- Note: Other readings may be assigned as deemed necessary. All readings will be provided to you as PDF files via Blackboard.
- Accardo, A. L., Kuder, S. J., & Woodruff, J. (2019). Accommodations and support services preferred by college students with autism spectrum disorder. *Autism*, 23(3), 574–583. https://doi.org/10.1177/1362361318760490
- Bottema-Beutel, K., Kapp, S. K., Lester, J. N., Sasson, N. J., & Hand, B. N. (2020). Avoiding ableist language: Suggestions for autism researchers. *Autism in Adulthood*, 3(1), 18–29. https://doi.org/10.1089/aut.2020.0014
- Campbell, D. G., Reichle, N. C., & Van Bourgondien, M. E. (1996). The Autism Survey: An evaluation of reliability and validity. *Journal of Autism and Developmental Disorders*, 26(6), 621–634. https://doi.org/10.1007/BF02172351
- Devita-Raeburn, E. (2016, August 10). The controversy over autism's most common therapy. https://www.spectrumnews.org/features/deep-dive/controversy-autisms-common-therapy/
- Link, B. G., & Phelan, J. (2014). Stigma power. Social Science & Medicine (1982), 103, 24–32. PubMed. https://doi.org/10.1016/j.socscimed.2013.07.035
- Lord, C., Charman, T., Havdahi, A., Carbone, P., Anagnostou, E., Boyd, B., Carr, T., de Vries, P. J., Dissanayake, C., Divan, G., Freitag, C. M., Gotelli, M. M., Kasari, C., Knapp, M., Mundy, P., Plank, A., Scahill, L., Servili, C., Shattuck, P., ... McCauley, J. B. (2022). The Lancet Commission on the future of care and clinical research in autism. *The Lancet*, 399(10321), 271–334. https://doi.org/10.1016/S0140-6736(21)01541-5
- Maenner, M., Shaw, K., Baio, J., Washington, A., Patrick, M., DiRienzo, M., Christensen, D., Wiggins, L., Pettygrove, S., Andrews, J., Lopez, M., Hudson, A., Baroud, T., Schwenk, Y., White, T., Rosenberg, C., Lee, L.-C., Harrington, R., Huston, M., & Dietz, P. (2020). Prevalence of autism spectrum disorder among children aged 8 years: Autism and developmental disabilities monitoring network, 11 sites, United States, 2016. MMWR. Surveillance Summaries, 69, 1-12. https://doi.org/10.15585/mmwr.ss6904a1
- Mintz M. (2017). Evolution in the understanding of Autism Spectrum Disorder: Historical perspective. Indian journal of pediatrics, 84(1), 44-52. https://doi.org/10.1007/s12098-016-2080-8
- Nevison, C., & Zahorodny, W. (2019). Race/Ethnicity-resolved time trends in United States ASD prevalence estimates from IDEA and ADDM. *Journal of Autism and Developmental Disorders*, 49(12), 4721–4730. https://doi.org/10.1007/s10803-019-04188-6
- Pearson, J. N., Stewart-Ginsburg, J. H., Malone, K., Manns, L., Mason Martin, D., & Sturdivant, D. (2022). Best FACES forward: Outcomes of an advocacy intervention for Black parents raising autistic youth. *Exceptionality*, 1–14. https://doi.org/10.1080/09362835.2022.2100392
- Sandoval Gomez, A., & McKee, A. (2020). When special education and disability studies intertwine:

 Addressing educational inequities through processes and programming. Frontiers in Education,
 5. https://www.frontiersin.org/article/10.3389/feduc.2020.587045
- Silberman, S. (2016). Neurotribes: The legacy of autism and the future of neurodiversity. Avery.
- Stone, W. L. (1987). Cross-Disciplinary Perspectives on Autism. *Journal of Pediatric Psychology*, 12(4), 615-630. https://doi.org/10.1093/jpepsy/12.4.615
- Trump, C. E., Pennington, R. C., Travers, J. C., Ringdahl, J. E., Whiteside, E. E., & Ayres, K. M. (2018). Applied Behavior Analysis in Special Education: Misconceptions and guidelines for use. *TEACHING Exceptional Children*, 50(6), 381–393. https://doi.org/10.1177/0040059918775020
- Visuri, I. (2018). Rethinking autism, theism, and atheism: Bodiless agents and imaginary realities.

 Archive for the Psychology of Religion, 40(1), 1-31. https://doi.org/10.1163/1573612112341348

Walsh, C., Jones, B., & Schonwald, A. (2017). Health care transition planning among adolescents with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 47(4), 980–991. https://doi.org/10.1007/s10803-016-3020-1

COURSE SCHEDULE

As with all things in life and in education, this course schedule is subject to change. Changes to the course will be announced in class and on Blackboard.

Weck	Topics	
Founda	tions	
1	What is autism and neurodiversity? (Depends on who you ask)	
2	Who is neurodiverse? Incidence and Prevalence	
3	Where are we coming from? Disability Rights and Neurodiversity	
4	 What does autism look like across the lifespan? (Early Childhood, School-based, and Postsecondary services) 	
5	What's family got to do with it? Family supports and services	
6	How do we intervene? Pathologization and Intervention	
7	 What other identities should we consider? DisCrit and Intersectionality 	
8	What do we do with our brains? Neuroplasticity and Neurotypes	
Applica	tions	
9	How do we research neurodiversity? Ethnographic Approaches	
10	How do we advocate? Political understandings of neurodiversity	
11	Penguins and Percy Jackson: Media portrayals of neurodiversity	
12	e Emerging Trends in Neurodiversity	
13	Emerging Trends in Neurodiversity	
14	DisCrit Revisited: Analyzing our Research	
15	Reflection: Representing our Neuroidentity	

Check the appropriate box: \square N	iew Course 🔲 C	ourse Modificat	ion	
Department/School School of E	ducation	Date October	3, 2022	
Course No. or Level <u>EDUC 428</u>	Title: Practicum is	1 Autism and Ne	eurodiversity	
Semester hours; <u>2</u>	Clock hours: 30	Lecture 30	Laboratory <u>0</u>	
Prerequisites: <u>None</u>				
Enrollment expectation: <u>20</u>				
Indicate any course for which this	course is a (an)			
modification(proposed change in course	e title, course description	on, course conte	nt or method of instruction)	
substitute	replaces a deleted cour	rse as a General	Education or program	
alternate(The proposed new course	can be taken as an alte	rnate to an exist	ing course.)	
Name of person preparing course description <u>Jared Stewart-Ginsburg</u> Department Chairperson's/Dean's Signature				
Department Chairperson's/Dean's	Signature (protry	J-(
Provost's Signature	For King		- 400-7	
Date of Implementation				
Date of School/Department appro	val11/28/22_			
Catalog description:	·			
Purpose: 1. For whom (generally)? a. This course is designeurodiversity. This Autism collateral a	is course fits within the	ested in learning program of stu	about autism and dy for the interdisciplinary	

- 2. What should the course do for the student?

 - a. At the completion of the course, the learner will be able to:
 i. Identify internal and external resources that support families of autistic individuals.

ii. Demonstrate understanding of how autism and neurodiversity affect and enhance family quality of life.

Teaching method planned: Observation and Program Implementation

Textbook and/or materials planned (including electronic/multimedia):

• No texts are required for this course.

Course Content

This course is designed for students enrolled in the interdisciplinary Autism collateral or minor and serves as the in-field immersion experience aligned with the Seminar in Autism and Neurodiversity. The goals of the course are to provide opportunities for students to interact with and support family members of autistic individuals. This course requires the completion of a minimum of 30 hours in an autism family advocacy organization. Participants will observe instructional and advocacy settings for family members of autistic individuals, interview family members, and assist with implementing family support events.

A course outline is attached.

When completed, forward to the Office of the Provost.



EDUC 428: PRACTICUM IN AUTISM AND NEURODIVERSITY

Francis Marion University

School of Education

Semester: xx Credit Hours: 2

Course Times: TBD

Instructor: TBA

EDUC 42x Course Description (2 Credits):

This course provides opportunities for students interested in human service fields to gain experience supporting autistic individuals and their families. Through this course, students will partner with autism advocacy and support groups to develop and assist with interdisciplinary autism educational and advocacy programs. Students complete at least 30 hours in a facilitated field experience and will regularly reflect on their experience.

COURSE SCHEDULE

OOTOE SOMES SEE		
Week(s)	Торіс	
1	Introduction to Family Supports	
2-4	Practicum Experience Hours	
5	Practicum Experience Hours; Reflection 1 Due	
6-9	Practicum Experience Hours	
10	Practicum Experience Hours; Reflection 2 Due	
11-14	Practicum Experience Hours	
15	Practicum Experience Hours; Reflection 3 Due	

COURSE ASSIGNMENTS

Assignment	Description	Points
Reflections	Students will complete three reflections describing their experience supporting families of autistic individuals.	48
Interview	Students will conduct and summarize an interview with a family member supporting autistic individuals. In their summary, students will describe: (a) when and how the child/youth was diagnosed; (b) how autism has impacted and enriched family quality of life; and (c) what supports the family accesses to support family quality of life.	12
Hours	The student will log 30 hours in related activities designed to support families of autistic individuals.	40

Check the appropriate box: ✓ New Course — LiCour	rse Modification
Department/School: School of Education	Date: November 28, 2022
Course No. or Level: EDUC 430	Title: Self-Regulated Learning
Semester hours: <u>3</u> Clock hours: <u>45</u>	Lecture 45 Laboratory 0
Prerequisites: None	
Enrollment expectation: 20	
Indicate any course for which this course is a (an)	
Modification	n, course content or method of instruction)
substitute(The proposed new course replaces a deleted cours requirement.)	e as a General Education or program
alternate(The proposed new course can be taken as an alternate	nate to an existing course.)
Name of person preparing course description Kit SaizdeLie	aMora and Jared Stewart-Ginsburg
Department Chairperson's/Dean's Signature (9-10-10-10-10-10-10-10-10-10-10-10-10-10-	
Provost's Signature / / / / / / / / / / / / / / / / / / /	
Date of Implementation	
Date of School/Department approval11/28/22_	
Catalog description:	
Purpose: 1. For whom (generally)? a. This course is designed for students interest regulation processes (e.g., autistic students including planning, monitoring, control, and perspectives. Learners will explore a variety learning and apply these perspectives in eduprogram of study for the interdisciplinary and apply these perspectives.	, students with learning disabilities), Id reflection across a variety of supporting Ity of supporting perspectives in self-regulated In ucational settings. This course fits within the

Elementary Education Major concentration in Learning Disabilities.

2. What should the course do for the student?

At the completion of the course, the learner will be able to:

a. Demonstrate a broad and in-depth understanding of the components of self-regulation as they are applied to learning contexts.

b. Discuss and evaluate the impact of instructional and familial practices on students' self-

regulation.

c. Identify the social and pedagogical factors involved in the development of student self-regulation.

Teaching method planned: Lecture and Discussion

Textbook and/or materials planned (including electronic/multimedia):

• Various texts and materials are planned; see syllabus for a specific list.

Course Content

This course is designed for students enrolled in the interdisciplinary Autism minor. This course highlights research, theories, and practices for developing self-regulation skills in learners. Theories span behaviorist to phenomenological with an emphasis on social cognitive theory. Learners will explore a multidimensional conceptual framework for studying and applying self-regulation in educational contexts. Recent research on self-regulatory processes will be reviewed, analyzed, and discussed.

A course outline is attached.

When completed, forward to the Office of the Provost.



EDUC 430: SELF-REGULATED INSTRUCTION

Francis Marion University

School of Education

Semester: xx Credit Hours: 3 Course Times: TBD

Instructor: TBA

COURSE INFORMATION

Course Description (3 Credits)

This course highlights research, theories, and practices for developing self-regulation skills in learners across the lifespan. Students will explore a multidimensional conceptual framework of self-regulated learning, including attachment, self-determination, resilience, and environmental factors. Throughout the course, students will apply principles of self-regulated learning to their future work context supporting learners across the lifespan.

Objectives

At the completion of the course, the learner will be able to:

- Demonstrate a broad and in-depth understanding of the components of self-regulation as they are applied to learning contexts.
- Discuss and evaluate the impact of instructional and familial practices on students' self-regulation.
- Identify the social and pedagogical factors involved in the development of student self-regulation.

COURSE ASSIGNMENTS

This course is based on 100 points. Therefore, every point you earn is worth 1% of your final grade. This adds to the transparency of the grading system across the semester. Along with each assignment, you will find brief descriptions of assignments. Refer to Blackboard for the complete descriptions, templates, and rubrics. You will receive explicit instruction in each assignment to prepare you for success.

Assignments		Points
	Each week, you will complete reflections from	
Reflections	the reading(s) and class discussion for that week.	15
	Describe what motivates you. Then, select one	
	Self-Regulated Learning sub-processes and	
	reflect on how this process has been	
	incorporated into your educational practices or	
	how you have been impacted by the SRL skill.	
	The sub-processes should be derived from any	
Autobiographical Sketch	phase of the SRL cycle: (1) task definition, (2)	10

TOTAL		100
Reflection	contexts.	10
	learning by preparing a written summary of how your concept of self-regulation has changed and how you will apply your learning to future	
	At the end of the course, you will reflect on your	
SRL Application	clinical session, or other professional artifact. This artifact should contain components of self-regulated learning. You will highlight and describe how you are applying self-regulated learning in this artifact.	20
Environmental Design	regulation. You will submit an annotated lesson plan,	20
	You will submit an annotated visual representation of your future work placement (e.g., classroom, clinic) with annotations that describe how the environment will support self-	20
SRL Model Summary	SRL model in preparation for the class discussion.	5
Self-Change Project	planning, (3) performance, (4) adaptation. You will select one aspect of your own behavior you wish to improve, and then design and implement a self-change project. Using a single subject design, you will incorporate an intervention based on a self-regulation theoretical approach to change a particular aspect of their behavior (e.g., academic learning, health, motor learning). You will create a visual representation of an	20

REQUIRED READINGS

Note: Other readings may be assigned as deemed necessary. All readings will be provided to you as PDF files via Blackboard.

- Ainsworth, M. (1978). The Bowlby-Ainsworth attachment theory. Behavioral and Brain Sciences, 1(3), 436-438. doi:10.1017/S0140525X00075828
- Cage, E. & Troxell-Whitman, Z. (2019). Understanding the reasons, contexts and costs of camouflaging for Autistic adults. *J Autism Dev Disord*, 49 (1899–1911). https://doi.org/10.1007/s10803-018-03878-x
- Duckworth, A. & Seligman, M. (2005). Self-discipline outdoes IQ: Predicting academic performance of adolescents. Psychological Science, 16(12), 939-944.
- Drake, K., Belsky, J., & Fearon, R. M. P. (2014). From early attachment to engagement with learning in school: The role of self-regulation and persistence. *Developmental Psychology*, 50(5), 1350–1361. https://doi.org/10.1037/a0032779

- Estrapala, S., & Grieshaber, J. (2022). Putting the "self" in self-regulation: Strategies for incorporating student voice in self-regulation interventions for internalizing behaviors.
 TEACHING Exceptional Children. https://doi.org/10.1177/00400599221097071
- Ghanouni, P., & Quirke, S. (2022). Resilience and coping Strategies in adults with Autism Spectrum Disorder. *Journal of autism and developmental disorders*, 1–12. Advance online publication. https://doi.org/10.1007/s10803-022-05436-y
- Harris, K. R., Reid, R. R., & Graham, S. (2004). Chapter 5—Self-Regulation among Students with LD and ADHD. In B. Wong (Ed.), Learning About Learning Disabilities (Third Edition) (pp. 167–195). Academic Press. https://doi.org/10.1016/B978-012762533-1/50008-1
- Ryan, R. M., & Deci, E. L. (2000). Self-determination theory and the facilitation of intrinsic motivation, social development, and well-being. *American Psychologist*, 55, 68-78.
- Lesh, J. J. (2020). Don't forget about yourself: Words of wisdom on special education teacher self-care. TEACHING Exceptional Children, 52(6), 367-369. https://doi.org/10.1177/0040059920936158
- Miller, D., Rees, J., & Pearson, A. (2021). "Masking is life": Experiences of masking in autistic and nonautistic adults. Autism in Adulthood, 3(4), 330-338
- Panadero, E. (2017). A review of self-regulated learning: Six models and four directions for research. *Frontiers in Psychology*, 8, (422).
- Raley, S. K., Shogren, K. A., & McDonald, A. (2018). How to implement the Self-Determined Learning Model of Instruction in inclusive general education classrooms. TEACHING Exceptional Children, 51(1), 62–71. https://doi.org/10.1177/0040059918790236
- Shanker, S. (2013). Calm, Alert, and Happy. Canadian Self-Regulation Initiative.
- Smith, B. W., Epstein, E. M., Ortiz, J. A., Christopher, P. J., & Tooley, E. M. (2013). The foundations of resilience: What are the critical resources for bouncing back from stress? In S. Prince-Embury & D. H. Saklofske (Eds.), Resilience in Children, Adolescents, and Adults: Translating Research into Practice (pp. 167-187). Springer New York. https://doi.org/10.1007/978-1-4614-4939-3_13
- Souers, K. & Hall, P. (2016). Fostering resilient learners. Association for Supervision and Curriculum Development.
- Wigfield, A., Klauda, S. L., & Cambria, J. (2011). Influences on the development of academic self-regulatory processes. In B. J. Zimmerman & D. J. Schunk (Eds.), Handbook of self-regulation of learning and performance (pp. 33-48). Taylor and Francis. https://doi.org/10.1007/s11218-018-9431-4
- Winne, P. H., & Marzouk, Z. (2019). Learning strategies and self-regulated learning. https://doi.org/10.3389/fpsyg.2017.00422

уу еек	1 opies	Kesoings	Assignment	
Founda	ations			
1	• What is self-regulation?	Shanker (2013) ■	 Submit Autobiographical Sketch Submit Week 1 Reflection 	
2	How does the environment contribute to self-regulation?	 Vogel et al. (2008) Duckworth & Seligman (2005) 	 Submit Week 2 Reflection 	
3	 How can professionals design with self-regulation in mind? 	• CAST (2018)	Submit Week 3 Reflection	
Comp	onents of Self-Regulation			
4	How does sensory integration support self-regulation?	 Ayres (2005) Wigfield et al. (2011) 	 Submit Environmental Design Submit Week 4 Reflection 	
5	How does self-determination support self-regulation?	Ryan & Deci (2000) Raley et al. (2018)	Submit Self-ChangeproposalSubmit Week 5 Reflection	
6	How does attachment theory support self-regulation?	Bowlby & Ainsworth (1978) Drake et al. (2014)	Begin data collection for self-change project Submit Week 6 Reflection	
7	How does resilience support self-regulation?	 Smith et al. (2008) Ghanouni & Quirke (2022) 	Submit Week 7 Reflection	
8	How does trauma affect self- regulation?	 Souers & Hall (2020) 	Submit Week 8 Reflection	
Applic	cations			
9	What are models of self- regulation?	Panadero (2017) Winne & Marzouk (2019)	 Submit SRL Model summary Submit Week 9 Reflection 	
10	Self-regulation and autism	Miller et al. (2021)	Submit Week 10 Reflection	
11	 Self-regulation and neurodiversity 	 Harris et al. (2004) 	 Submit Week 11 Reflection 	
12	 Self-regulation and learning disabilities 	e Estrapala et al. (2022)	• Submit Week 12 Reflection	
13	 Self-regulation in professionals 	● Lesh et al. (2020)	 Submit Week 13 Reflection 	

14	Research in self-regulation	 Contemporary reading assigned (e.g., Cage & Troxell-Whitman, 2019) 	0	Submit Week 14 Reflection
15	 Self-change presentations 			Present Self-change Project Submit Final Reflection

COURSE SCHEDULE

As with all things in life and in education, this course schedule is subject to change. Changes to the course will be announced in class and on Blackboard.

Check the appropriate box:x_ New Course Course Modification
Department/School: Biology Date: 1/26/23
Course No. or Level:BIOL403 Title:Plant Genetics and Breeding
Semester hours:4 Clock hours: Lecture:3 Laboratory:3
Prerequisites: BIOL 105/115 or BIOL 107 and BIOL 106 or BIOL 108 and CHEM 112/112L
Enrollment expectation: 14-18
Indicate any course for which this course is a (an)
modification (proposed change in course title, course description, course content or method of instruction)
substitute (The proposed new course replaces a deleted course as a General Education or program requirement.)
alternate
Name of person preparing course description: Jeremy D. Rentsch
Department Chairperson's/Dean's Signature Vernez W. Torre
Provost's Signature Pole 1king
Date of Implementation
Date of School/Department approval

Catalog description:

403 Plant Genetics and Breeding (4:3-3) (Prerequisite: 105/115105/115 or 107 and 106 or 108 and Chemistry 112 and 112L) An exploration of the fundamentals of quantitative, population, and molecular genetics in plants. Largely using horticultural crop species as model organisms, we will explore historical and contemporary plant breeding and improvement techniques. Topics will include the inheritance of qualitative and quantitative traits, breeding strategies in context of plant life history characteristics, biotechnology in crop improvement, and plant domestication.

Purpose:

- 1. For Whom (generally?) Biology majors seeking to fulfill their 'Genetics or Evolution' core requirement.
- 2. What should the course do for the student? Teach fundamental genetics as well as specific technique and theory behind horticultural crop improvement.

Teaching method planned: Traditional mix of lecture and laboratory.

Textbook and/or materials planned (including electronic/multimedia):

Principles of Plant Genetics and Breeding (2nd Edition) George Acquaah

Course Content: (Please explain the content of the course in enough detail so that the

Academic Affairs Committee can make an informed judgement.

Include a syllabus for the course.)

When completed, forward to the Office of the Provost.

Instructor: Jeremy D. Rentsch

Office: LSF204F

Email: jrentsch@fmarion.edu

Phone: 843-667-1407

Office Hours: M,W 10:00am - 11:00am

Time:

Lecture: T,R 8:30 – 9:45am **Lab:** T 12:45pm-3:35pm

Course Objective: Plant Genetics and Breeding explores the fundamentals of quantitative, population, and molecular genetics in plants. Largely using horticultural crop species as model organisms, we will explore historical and contemporary plant breeding and improvement techniques. Topics will include the inheritance of qualitative and quantitative traits, breeding strategies in context of plant life history characteristics, biotechnology in crop improvement, and plant domestication.

By the end of the semester, students will demonstrate proficiency in:

- The fundamentals of the transmission and function of DNA.
- Theory underlying classic and contemporary plant genetics and crop improvement.
- How plants respond to biotic and abiotic stressors.
- The basics of the plant reproductive cycle.
- How life history characteristics affect plant breeding strategies.

Course Policies: Class participation will be assessed based on attendance and discussion of reading assignments. The subject will be built in a cumulative manner. Quizzes and exams will be on current material, but this material may rely on knowledge from prior sections. The final exam will be comprehensive and cumulative: if a topic has been covered in the course, you may expect a question on that topic on the final exam. Except for cases of serious personal illness or emergency (requiring written verification), make-up tests and quizzes must be arranged in advance. Assignments are due on the date and time specified by the instructor. Late work will not be accepted. The course outline given below provides a general schedule for the course; deviations may be necessary. Textbook readings will be will be supplemented by handouts and library assignments.

Course Grading: 75% of overall course grade will be determined by a student's lecture score and the remaining 25% of the overall course grade will be determined by a student's laboratory score. Lecture scores will primarily be based off of examinations, while the laboratory will have more varied point sources. Please see full syllabi for more details.

Do not count on any final or within-semester adjustments to grades. Your active participation in lectures and laboratories is an essential part of the class for both your learning experience and that of your classmates. You are expected to attend lecture and laboratory sessions on a consistent and timely basis. Failure to do so may significantly negatively impact your performance and, therefore, your grade.

Laboratory Exercises and Field Trips:

- Labs will meet regardless of prevailing weather conditions, with the exception that we will not stay out in lightning storms. Come to lab dressed for the field. Open shoes or sandals are not permitted, shorts are at your own risk.
- Several labs are at considerable distance from FMU and may require more time than the time period designated in the course listing. These labs will be identified on the course agenda. Let me know if you have scheduling problems with these particular labs.
- Attendance at every lab exercise is mandatory. Reports/memos will be required for each lab. If
 you miss a lab, the maximum score that you will receive on a lab report/memo will be 60 out
 of 100. Your lowest lab grade will be dropped. See me if you have an emergency resulting in
 your absence.
- Unless otherwise specified, lab reports are due by the start of lab one week from the day of the lab assignment. No late reports will be accepted. All labs reports should be in WORD format and emailed to the instructor.
- While the quantitative summaries of laboratory data will be completed by the entire lab group, you will each need to know how to do calculations for exams, so failure to participate in working up the data is at your own peril. Note: Do not use any more digits in your answers than are significant.
- Questions to laboratory exercises will be answered individually, with all answers typed.
- Use proper grammar, sentence structure and spelling in your reports.
- For safety reasons, there will be no smoking or vaping during any lab. No exceptions.
- You are collectively responsible for all equipment used during lab, so treat it accordingly.
 Please inform me of any breakage ASAP.
- Do not break off, pull up, trample or otherwise molest the vegetation you encounter in the field. Likewise for wildlife and fellow students.

List of topics for lecture:

Tuesday	Introduction to plant genetics and breeding
Thursday	Basic genetics and the central dogma
Tuesday	Early plant breeding
Thursday	EXAM 1
Tuesday	Introduction to population genetics
Thursday	Introduction to quantitative genetics
Tuesday	Basic plant life cycle, mitosis, and meiosis
Thursday	Reproduction and autogamy
Tuesday	EXAM 2
Thursday	Allogamy
Tucsday	Hybridization
Thursday	Clonal propagation and in vitro culture
Tuesday	Variation: types, origin, and scale
Thursday	EXAM 3
Tuesday	Plant domestication
Thursday	Plant genetic resources
Tuesday	Yield and morphological traits
Thursday	Quality traits

Tuesday	Fall break - no class
Thursday	EXAM 4
Tuesday	Resistance to diseases and insect pests
Thursday	Resistance to abiotic stress
Tuesday	Breeding in self-pollinating species
Thursday	Breeding in cross-pollinating species
Tuesday	Molecular markers
Thursday	EXAM 5
Tuesday	Mapping of genes
Thursday	Marker assisted selection
Tuesday	Mutagenesis in plant breeding
Thursday	Recitation day - or make-up exams
Tuesday	Reading day – no class

List of topics for the laboratory

Topic
No laboratory - classes being Tuesday
Basics of DNA isolation and basic laboratory skills
DNA isolation and Polymerase Chain Reaction
Gel electrophoresis and scoring genetic markers
Mendelian genetics and dihybrid crosses
Restriction enzymes and DNA fingerprinting I
Restriction enzymes and DNA fingerprinting II
DNA isolations for project-based laboratory
Laboratory midterm and PCR for project-based laboratory
No laboratory – Fall break
Nucleotide sequence curation, alignment, phylogeny, and BLAST
Bacterial transformation
Mitosis and karyotyping
Laboratory presentations I
Laboratory presentations II
No laboratory

Department/School EMP, Modern Languages

Date January 16, 2023

Course No. or Level Spanish 204

Title Fantasy Texts, Songs, and Comics

Semester hours 3

Clock hours: Lecture 3 Laboratory 0

Prerequisites Spanish 201

Enrollment expectation 20 per semester

Indicate any course for which this course is a (an)

modification None

(proposed change in course title, course description, course content or method of instruction)

substitute None

(The proposed new course replaces a deleted course as a General Education or program requirement.)

DELETE INTRODUCTION TO READING TEXTS IN FRENCH/SPANISH

alternate None

(The proposed new course can be taken as an alternate to an existing course.)

Name of person preparing course description: Dr. Kristin Kiely
Department Chairperson's/Dean's Signature Survey Research
Provost's Signature Peter Kang
Date of Implementation
Date of School/Department approval

Catalog description: Students develop the core language skills and cultural knowledge at the intermediate level by working with important legends, fairy tales, songs, and comics written by Spanish and Latin American writers and artists.

Prerequisite: Spanish 201

Purpose:

- 1. For Whom: Any student who is taking Spanish especially students who want a Collateral, Minor, or Major.
- 2. What should the course do for the student?: The course should help the students develop their listening, reading, writing, and speaking skills in Spanish. They will also learn valuable

cultural information from Spain and Latin America through legends, fairy tales, and other fantasy texts as well as comics and songs.

- 3. **Teaching method planned**: Most of the class will be discussion based after the students have read the material. For the songs, the class will listen to many of them in class and discuss themes and vocabulary.
- 4. Textbook and/or materials planned (including electronic/multimedia):

Abadía, Ximo. Frank: La increíble historia de una dictadura olvidada.

Dibbuks: 2020.

Bécquer, Gustavo Adolfo. Leyendas. Sapere Aude: March 28, 2022.

La Llorona. See Blackboard.

Roca, Paco. Arrugas. Astiberri: September 19, 2022 (17th ed.)

Silva, Fabio. Mitos y leyendas colombianos. Panamericana Editorial:

September 12, 2022 (2nd ed).

Music by Amaral, Luis Fonsi, Juan Luis Guerra, Juanes, Luis Miguel, Nacha Pop, Sin Bandera, Diego Torres, Julieta Venegas, Carlos Vives, etc.

- 5. Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgment. Include a syllabus for the course). See attached syllabus
- 6. Grading Components:

Homework Quizzes. 10%

Participation, 15%

Discussion Forums. 25%

Presentation. 15%

Exams.30%

FRANCIS MARION UNIVERSITY: PROPOSED NEW COURSE

Check the appropriate box: _X_ New Course

Department/School: Modern Languages Date: 01/10/2023

Course No. or Level: SPAN 305

Title: Afro-Latin American Literature

Semester hours: 3 Clock hours: 2.5 Lecture: X

Prerequisites: **SPAN 201**Enrollment expectation: **15**

Name of person preparing course: Dr. Wendy Caldwell

Description: This course provides a panoramic study of writers of African descent living in or from Latin America, the Caribbean, and the United States. Through a variety of genres, the course studies the history and impact of the African diaspora in Latin America. Dr. Shayna Wrighten contacted me last spring with an interest in collaborating. Given the significant African American student population, a course focused on Hispanic literature of African descent will address a void in the Spanish Program's curriculum and will enhance the diversity of the AAAS course offerings.

Peter King

Department Chairperson's/Dean's Signature Blive Fram

Provost's Signature_

Date of Implementation: TBD

Date of School/Department Approval EMP: 8/23/2022; AAAS: 8/31/2022

Catalog description: Provides a panoramic study of writers of African descent living in or from Latin America, the Caribbean, and the United States. Through a variety of genres, the course studies the history and impact of the African diaspora in Latin America. Taught in Spanish with opportunities to read in both Spanish and English.

Purpose:

- 1. For Whom (generally?) Students of Spanish and AAAS program
- 2. What should the course do for the student? Throughout the semester, the student will demonstrate the following skills: a) foundational knowledge of the African diaspora in Latin America; b) an understanding of the impact of African languages and cultures on Latin America through selected literary texts and film; c) expanded critical thinking skills through literary analysis and cultural comparisons; d) improved comprehension of the Spanish language.

Teaching method planned: Lecture, Film, Readings, Music

Textbook and/or materials planned (including electronic/multimedia): The Afro-Hispanic Reader and Anthology. Eds. Paulette Ramsay and Antonio D. Tillis. Kingston: Ian Randle Publishers, 2018.

Course Content: Please consult attached syllabus.

When completed, forward to the Office of the Provost.

Sample Syllabus for SPAN 305

COURSE: Afro-Latin American Literature

PROFESSOR: Dra. Wendy <u>Caldwell</u> Richardson OFFICE: CEMC 113B

PREREQUISITE: SPANISH 201

REQUIRED TEXT: The Afro-Hispanic Reader and Anthology. Eds. Paulette Ramsay and Antonio D. Tillis. Kingston: Ian Randle Publishers, 2018.

RECOMMENDED TEXT: Spanish-English/English-Spanish dictionary (*The Collins Spanish Dictionary, University of Chicago, Larousse*, etc.). Electronic dictionaries may be found at: http://www.vox.es; http://www.diccionarios.com.

COURSE DESCRIPTION: Provides a panoramic study of writers of African descent living in or from Latin America, the Caribbean, and the United States. Through a variety of genres, the course studies the history and impact of the African diaspora in Latin America. Taught in Spanish with opportunities to read in both Spanish and English.

STUDENT LEARNING OUTCOMES: Throughout the semester, the student will demonstrate the following skills: a) foundational knowledge of the African diaspora in Latin America; b) understanding of the impact of African languages and cultures on Latin America through selected literary texts and film; c) expanded critical thinking skills through literary analysis and cultural comparisons; d) improved comprehension of the Spanish language.

EVALUATION OF THE STUDENT'S PROGRESS:

- 1-Participation/Preparation: 20%
- 2-Reading Response Essays: 20% (2x10%)
- **3-Exams: 40**% **(20**%**x2)** You will have three exams during the semester to evaluate your comprehension of the material covered in class. Examen #3 will be on final exam day.
- 4-Presentation: 20% Each student will give a presentation to the class on an assigned author, his/her work, and/or the historical context pertaining to a literary selection.

Sample Calendar

<u>Fecha/Date</u>

Clase /Class

Tarea/HW

Semana 1/Week 1	Introduction to course	Homework: TBD
Semana 2/Week 2	Brief History of the African Entry to Latin America and Slavery: Reading and Class Discussion.	
Semana 3/Week 3	ı st anti-slavery novel in Latin America: Sab, Gertrudis Gómez de Avellaneda (Cuba)	
Semana 4/Week 4	Sab	
Semana 5/Week 5	Poesía afro-cubana: Nicolás Guillén Poesía afro-cubana: Nancy Morejón	
Semana 6/Week 6	Poesía afro-cubana: Georgina Herrera/Repaso/EXAMEN #1	
Semana 7	Los afromexicanos: Fidencio Escamilla, "Negro y blanco" ESSAY #1	:
Semana 8	Literatura afro-costarricense: Quince Duncan	
Semana 9	Literatura afroecuatoriana: Luz Argentina Chiriboga	
Semana 10	Literatura afro-latinx: "Cuban Imposter Syndrome." Zakiya H. Jamal	
Semana 11	Literatura afro-latinx: "Half In, Half Out: Orbiting a World Full of People of Color." Saraceia J. Fennell	
Semana 12	Literatura afro-latinx "Paraíso negro." Kahlil Haywood/Selection from <i>The Poet X</i> , Elizabeth Acevedo	
Semana 13	Film	
Semana 14	Film	
Semana 15	ESSAY #2/Repaso	

New Course X Modification
Department/School Sociology Date 01/30/2023
Graduate or Undergraduate Course: _Undergraduate
Course No. or Level 302 Title Methods of Sociology
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites201 and declared sociology major or permission of department
Enrollment expectation 15
Indicate any course for which this course is a (an)
Modification SOCI 302 Methods of Sociology
substitute
alternate
Name of person preparing course description <u>Dr. Rusty Ward</u>
Department Chairperson's/Dean's Signature
Provost's Signature Peter RQ
Date of Implementation Fall 2023
Date of School/Department approval 1/31/23
Catalog description: Introduction to understanding how research methods help us answer important social questions, appreciating why our limited perceptions of social processes can be wrong, and acquiring critical skills necessary for evaluating research and communicating it to others; emphasis on the advantages and limitations of different data collection strategies.
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New Course _XModification
Department/School Sociology Date 01/30/2023
Graduate or Undergraduate Course: <u>Undergraduate</u>
Course No. or Level 303 Title Social Statistics and Data Analysis
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites _ 201, Mathematics 134, and declared sociology major, or permission of department
Enrollment expectation 15
Indicate any course for which this course is a (an)
Modification SOCI 303 Quantitative Methods in Social Research
substitute
alternate
Name of person preparing course description
Department Chairperson's/Dean's Signature Que Con Colon Colo
Provost's Signature Poler King
Date of Implementation Fall 2023
Date of School/Department approval 1/31/23
Catalog description: Introduction to statistical concepts; determining levels of measurement; calculating and interpreting descriptive and inferential statistics, including z-scores and confidence intervals; conducting hypothesis tests; determining associations between variables; regression and correlation analysis; data analysis using SPSS.
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New CourseXModification
Department/School Sociology Date 1/30/2023
Graduate or Undergraduate Course:Undergraduate
Course No. or Level 310 Title Race and Society
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 310 Racial and Cultural Minorities
substitute
alternate
Name of person preparing course descriptionTodd Couch
Department Chairperson's/Dean's Signature Open Control
Provost's Signature Peler King
Date of Implementation Fall 2023
Date of School/Department approval1/31/23
Catalog description: A theoretically grounded examination of how racial groupings are created, inhabited, transformed, and eliminated. Topics explored in this course include theoretical models for understanding racial difference, the social implications of racial hierarchies, and the significance of racial coalitions in promoting social change.
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affair Committee can make an informed judgement. Include a syllabus for the course.)

New Course X Modification
Department/School Sociology Date 1/30/2023
Graduate or Undergraduate Course: <u>Undergraduate</u>
Course No. or Level 315 Title Gender and Society
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites 201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 315 Sex and Gender in Social Contexts
substitute
alternate
Name of person preparing course description <u>Jessica Burke</u>
Department Chairperson's/Dean's Signature Chairperson's/Dean's Signature Provost's Signature Refer King
Provost's Signature /eter King
Date of ImplementationFall 2023
Date of School/Department approval1/31/23
Catalog description:
Purpose: 1. For Whom (generally?)
2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New CourseXModification	
Department/School Sociology Date 1/30/23	
Graduate or Undergraduate Course: Undergraduate	
Course No. or Level 331 Title Environment and Society	
Semester hours 3 Clock hours: Lecture 3 Laboratory	
Prerequisites 201 or permission of department	
Enrollment expectation 25	
Indicate any course for which this course is a (an)	
Modification SOCI 331 Environment, Power, and Opportunity	
substitute	
alternate	
Name of person preparing course description Lisa A. Eargle	
Department Chairperson's/Dean's Signature	
Department Chairperson's/Dean's Signature Spice Dough Provost's Signature Refer King	
Date of Implementation Fall 2023	
Date of School/Department approval 1/31/23	
Catalog description:	
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?	
Teaching method planned:	
Textbook and/or materials planned (including electronic/multimedia):	
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)	

New Course _XModification
Department/School Sociology Date 1/30/23
Graduate or Undergraduate Course:Undergraduate
Course No. or Level 351 Title Environmental Crime
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites 201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 351 Crimes Against the Environment
substitute
alternate
Name of person preparing course descriptionLisa A. Eargle
Department Chairperson's/Dean's Signature Provost's Signature Provost's Signature
Provost's Signature Peter Rug
Date of ImplementationFall 2023_
Date of School/Department approval 1/31/23
Catalog description:
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New CourseXModification
Department/School Sociology Date 1/30/2023
Graduate or Undergraduate Course:Undergraduate
Course No. or Level 361 Title Self and Identity in Society
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites 201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 361 Society and the Individual
substitute
alternate
Name of person preparing course description
Department Chairperson's/Dean's Signature
Provost's Signature Provost's Signature Provost's Signature
Date of ImplementationFall 2023
Date of School/Department approval 1/31/23
Catalog description: Examines the core principles of sociological social psychology with an emphasis of symbolic interaction and dramaturgy; provides an overview of the development of the self and identities explores related topics including emotions, self-esteem, influence, attitudes, and personality from a social context.
Purpose: 1. For Whom (generally?)
2. What should the course do for the student?
Teaching method planned: Textbook and/or materials planned (including electronic/multimedia): Course Content: (Please explain the content of the course in enough detail so that the

Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New CourseXModification
Department/School Sociology Date 1/30/23
Graduate or Undergraduate Course:Undergraduate
Course No. or Level 333 Title Urban Sociology
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites 201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 407 Urban Sociology
substitute
alternate
Name of person preparing course description Lisa A. Eargle
Department Chairperson's/Dean's Signature
Provost's Signature Peter Kag
Date of ImplementationFall 2023
Date of School/Department approval 1/31/23
Catalog description:
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)

New CourseXModification
Department/School Sociology Date 1/30/23
Graduate or Undergraduate Course:Undergraduate
Course No. or Level 334 Title Population and Society
Semester hours 3 Clock hours: Lecture 3 Laboratory
Prerequisites 201 or permission of department
Enrollment expectation 25
Indicate any course for which this course is a (an)
Modification SOCI 419 Population and Society
substitute
alternate
Name of person preparing course description Lisa A. Eargle
Department Chairperson's/Dean's Signature Opice Docet
Department Chairperson's/Dean's Signature Opice Doncet Provost's Signature Release Re
Date of ImplementationFall 2023
Date of School/Department approval 1/31/23
Catalog description:
Purpose: 1. For Whom (generally?) 2. What should the course do for the student?
Teaching method planned:
Textbook and/or materials planned (including electronic/multimedia):
Course Content: (Please explain the content of the course in enough detail so that the Academic Affairs Committee can make an informed judgement. Include a syllabus for the course.)