

Interim Course Catalog for May 2021

*The Interim Course Student Request Form is located at the end of this catalog. **All students must submit an Interim Student Request Form.** You must talk with your parents before submitting your requests.*

We have an exciting list of offerings for students during the 2020-2021 interim, which is from **Wednesday, May 5th to Wednesday, May 19th**. Please read the course descriptions below noting the cost and minimum and maximum number of students needed or allowed.

After discussing your options with your parents, please complete the Interim Course Student Request Form at the end of the catalog indicating your top three requests and email to Ms. Jane Etta Bryan between Wednesday March 3 at 5PM and Monday, March 8 at 5PM.

Notes:

- All students can choose to stay enrolled in the course they were scheduled to take in January, if it is still offered and there are spaces available. Students should indicate this choice on the first line of their Interim Course Student Request Form. Students may also choose to try to enroll in another class. Students who want to change interim classes will pick their top 3 preferences. Students will be enrolled in classes based on the following criteria:
 1. Previous enrollment in the class for January
 2. Class status: seniors first, juniors second
 3. Time and date when their preference form is turned in.
- Pay attention to mode the course will be taught in:
 - Only students in residence at GSSM can take in-person classes.
 - All students may enroll in virtual or hybrid classes. Students not in residence will be given preference in virtual classes. Students in residence should consider taking an in-person or hybrid class.
- You may choose the course you enrolled in for January as your 2nd or 3rd choice, but, if you do so, you will not be given preferential enrollment for it.
- Because of health concerns, no interim courses will involve overnight travel during 2021.
- Some courses might not occur if the minimum number of students is not met. If the maximum number of students is exceeded, placement will be based on requests in the order they are received.
- If you are requesting the same class for the second year in a row, you must receive permission from Mr. Dorsel.
- Courses vary in content and cost. If a student registers for a course that has a fee, the student is responsible for payment in full for the course, even if he/she later withdraws or is dismissed from GSSM prior to or during interim. If this occurs, GSSM will not reimburse payments made, and the student remains responsible for the full payment of the course fee.
- If you have any questions about interim, please contact Dr. Matt Martin

Courses

1. The Beauty of Mathematics (virtual)
2. Art in the Interim (virtual)
3. Origami: The Art of Paperfolding (hybrid)
4. Patchwork Quilting: Stitching Together Textile Art and Geometry (in person)
5. MakerSpace (hybrid)
6. Mathematical Problem Solving (hybrid)
7. Mental Health through Pop Culture: Psychology of Adrian Monk (in person)
8. Everyday Survival Skills (formerly Strength and Conditioning/ Sports Medicine Injury Prevention, Injury Care, Injury Recovery) (in person)

9. Gliding at the Bermuda High Soaring School (in person)
10. Sports in the Interim (in person)
11. Never Been Done (in person)
12. Equine Science and Horsemanship (in person)
13. Ethics, Beauty, and the Environment (hybrid)
14. Music Performance in the Interim (in person)
15. The Cooking Lab (virtual, at home only)
16. Computational Biology (formerly Genomics Workshop: Computational Biology) (virtual)
17. Introduction to American Sign Language and Deaf Culture (virtual)
18. Being Francophone in America (in person)
19. What Nature Knows: Community, Autonomy, and Stillness in the Technological Age (formerly How to Do Nothing) (virtual)
20. South Carolina Marine Biology (new, in person)
21. Buddhist Philosophy (new, hybrid)
22. Creative Pursuits (new, virtual)
23. Trek and Capture the Carolinas (new, in person)
24. Underwater Exploration through SCUBA certification (new, in person)

Course Descriptions

The Beauty of Mathematics (virtual)

Description: This course will explore fascinating mathematical topics that are not covered in typical mathematics courses. Topics of this course will be determined by student interest, but some possible topics include flexagons, rational tangles, graph theory, and Pascal's triangle. We will play several games, investigate mathematics through hands on activities, and read the book *Flatland*. There are no mathematical prerequisites for this class.

Instructor: Dr. Nicole Kroeger

Max Students: 8

Min Students: 3

Cost for the student: None

Art in the Interim (virtual)

Description: In this dynamic visual arts course, students will be immersed in a creative environment, rich with student-choice opportunities. Working with professional artists, students will explore traditional, and contemporary, art techniques using a variety of materials to create meaningful works of art. In addition to the creative hands-on experience, art students will engage in critiques, write thought-provoking artist statements, and take virtual excursions to study important works of art. At the culmination of the course, students will have a public exhibition of their original works of art in a museum, gallery or other public venue.

Instructors: Patz Fowle, Mike Fowle

Max Students: 15

Min Students: 2

Cost: None

Origami: The Art of Paperfolding (hybrid)

Description: Come learn how to create insects, birds, flowers and anything else your heart desires! Origami is a relaxing interim in which you will learn about the rich applications in mechanical engineering and mathematics, and what this art has told us over the centuries about culture and history. Paper folding might be an ancient art but it can also transform the modern life. By meditating on folding paper, we boost mindfulness. We learn to concentrate in the moment without distraction. In the age of social media, this quiet attentiveness alleviates stress from the constant ebb and flow of information. Origami requires no resources other than a sheet of paper and free time. It requires no learned skill like other arts and crafts but the ability to make a crease. And in turn with patience anything can be realized from a simple flapping bird to a complex antlered deer to the mathematical precision of polyhedra.

Instructor: Dr. David Whitbeck

Max Students: 20

Min Students: 2

Cost for the student: None

Patchwork Quilting: Stitching Together Textile Art and Geometry (in person)

Description: Learn the basics of patchwork piecing and quilting and explore the history of this beautiful and practical textile art form. Students will use geometry to design and craft various quilt blocks and projects. In addition to personal projects, the class will work together to create quilts to be donated to those in the community in need of comfort. No sewing experience required; needed machine and hand sewing skills will be taught in this course.

Instructor: Dr. Kristin Walker

Max Students: 7

Min Students: 4

Cost for the student: \$30 for unexpected materials (i.e. more fabric, thread) that will be used toward the main project the students will be able to keep

MakerSpace (hybrid)

Description: The GSSM Makerspace gives students the opportunity to pursue their technological interests in 3d design and physical computing in a relaxed environment. No previous experience is required, and students can learn the basics, or they can come into the class with the intention of developing advanced ideas. Students will create their designs using the Arduino microprocessor and associated sensors, motors, etc., as well as 3d printed models using graphic design tools like SolidWorks, OnShape, or TinkerCad. Students who are on the robotics team can work on the robot design and functionality. We will probably take trips to Integrated Systems, Inc, and Sonoco.

Instructors: Dr. Elaine Parshall, Dr. Elizabeth Bunn

Max Students: 12

Min Students: 4

Cost for the student: None

Mathematical Problem Solving (hybrid)

Description: We will learn a number of problem-solving techniques in this course. We will practice these techniques on selected questions from the American Mathematical Competition problems for twelfth graders. you will find an archive at https://artofproblemsolving.com/wiki/index.php/AMC_12_Problems_and_Solutions.

Instructor: Dr. Sris

Max Students: 12

Min Students: 2

Cost: None

Mental Health in Pop Culture: The Psychology of Adrian Monk (in person)

Description: This course looks at mental health issues as well as treatment strategies and delivery systems through watching the popular tv series Monk. For 2021 interim there will be no travel, but we will virtually attend a meeting of the South Carolina Mental Health Commission.

Instructor: Dr. Alison Evans

Max Students: 12

Min Students: 5

Cost for the student: None

Everyday Survival Skills (in person)

Description: Basic survival skills taught will include first aid, CPR, AED, Stop the Bleed, Narcan, and litter evacuation. Other topics will include an introduction to land navigation, wilderness nutrition, eating off the land, basic knots, emergency shelter building, fire starting with no matches, outdoor food preparation, situational awareness, a water confidence test, swimming, and everyday vehicle fixes -- jump start, tire change, preventive maintenance checks and services.

Instructors: Athletic Department

Max Students: 25

Min Students: 10

Cost for the student: None

Gliding at the Bermuda High Soaring School (in person)

Description: Learn how to fly an engineless, glider sailplane through an introductory course at the Bermuda High Soaring School. Each student will fly approximately 30 dual flights (at 3000 ft. and 1500 ft.) with a highly experienced, fully qualified FAA flight instructor. During each flight, students will learn how to control the glider as they work toward flying at least one supervised solo flight. Students will learn the basic physics of aviation, as well as flight plans and safety procedures. Every day the class will drive to the soaring school (~45-minute drive) for ground school and 3-5 flights, weather permitting. Learn more about gliding and the Bermuda High Soaring School at www.glider.org.

Instructor: Dr. Reggie Bain

Max Students: 6

Min Students: 2

Cost: Roughly \$2500 for cost of course (provided by Bermuda High Soaring)

Sports in the Interim (in person)

Description: Students will learn about and participate in a variety of sports (or "activities" that some consider to be sports). Writings based on sports will be read and discussed.

Instructors: Dr. Lance Riddle

Max Students: 12

Min Students: 4

Cost: None

Never Been Done (in person)

Description: Students will execute a research project in microwave spectroscopy that has never been done before. The course will provide a hands-on, active-learning experience using GSSM's state-of-the art microwave spectrometer, an instrument used to discover the shapes of molecules. Activities will include using modern instrumentation, analyzing data sets, and formulating conclusions from the data. The class will also take one or more day-long field trips to other research laboratories at nearby universities (travel may be cancelled due to safety precautions) .

Instructor: Dr. Gordon Brown

Max Students: 8

Min Students: 2

Cost for the student: None

Equine Science and Horsemanship (in person)

Description: A fun, hands-on course that combines riding lessons with horse care and in-depth exploration of horse physiology and husbandry from local experts. Each student will ride and be responsible for their "own" horse throughout the course. Students will leave for Tally Ho Equestrian Center in the morning and return each afternoon. Covid protocols will be followed at the barn (masking, distancing, etc).

Instructors: Dr. Jen Borge Raia, Dr. Carl Yackey

Max Students: 12

Min Students: 8

Cost: \$350 per student, payable to the barn for lessons, supplies, instruction, and stipends for guest speakers

Ethics, Beauty and the Environment (hybrid)

Description: Our planet is at a crucial crossroads. How do we chart a course that will determine our future quality of life? This exciting course helps us understand global and domestic environmental challenges of the present while exploring our paths to the future. Our course combines discussion on classic environmental writing, the work of nature photographers and painters, and lessons from fascinating guest speakers. We will also focus on current debates in natural resource management, public lands legislation, green energy, the concept of degrowth, and many other topics. Students will engage with each other to explore their own values, passions, and appreciation for the awesome beauty of

the Earth, while discussing the pathways we can take to save the planet and ourselves. The instructors remain open to the methods of instruction and utilizing our own ventures into natural areas.

Instructor: Dr. Karl Rohr, Dr. Roberto Robles-Valencia

Max Students: 14

Min Students: 3

Cost for the student: No fee.

Music Performance in the Interim (in person)

Description: Students will have the opportunity to learn, listen and analyze, create, and perform music of various genres as soloists and within ensembles. This is a performance- based course, so lots of practice and performance-practice is required. We will explore interesting topics of ethnomusicology, theory, and music history. For our final presentation, we will be in the spotlight of the school community to showcase our mastered works in the gymnasium!

Instructors: Miranda Averill, Dr. Stephen Kaczowski

Max Students: 10

Min Students: 5

Cost: None

The Cooking Lab (virtual, at home only)

Description: Students will learn basic cooking skills as well as study some of the science and math behind cooking.

Instructors: Jenny Salazar, Dr. Phelesia Jones-Cooper, Dr. Paula Bailey

Max Students: 6

Min Students: 2

Cost for the student: No fee, but students will need to buy groceries for the class.

Computational Biology (virtual)

Description: This course will focus on using Computational Environments, Python, and Linux for applied problem solving in computational biology.

Instructors: Dr. Al DeGennaro, Dr. Alex Feltus (Clemson University Professor of Genetics and Biochemistry)

Max Students: 12

Min Students: 5

Cost: None

Introduction to American Sign Language and Deaf Culture (virtual)

Description: This will be an introduction to American Sign Language and Deaf History. Students will learn basic signing skills and protocols. They will learn about Deaf Culture and the norms for interacting with Deaf community.

Instructor: Rita Nuckles and Kimberly Morse

Max Students: 11

Min Students: 2

Cost: None

Being Francophone in America (in person)

Description: This course will explore some of the staples of the life of Francophone people, allowing students to experience three of the most important cultural products of French-speaking countries: cuisine, cinema, and literature. Rather than traveling to la Francophonie during this semester in order to engage in educational tourism, we will explore what it is like to live life as a Francophone in the US. To do this, we will cook, eat, and discuss economical, delicious, and nutritious food from the Francophone world; we will watch and discuss great films from the Francophone world; and we will read and discuss short fiction from the Francophone world. Preparing and sharing dishes from Francophone Europe like bouillabaisse, ratatouille, Liège potato salad, Swiss fondue, and quiche, but also foods from Africa like tajine and attiéké and North American specialties like gumbo and poutine, we will strive to become more conscious of the way we eat. Viewing both famous films from esteemed directors and more ordinary popular films and television programs, we will also gain an understanding and appreciation of French-language cinema. Reading the tales and short stories of authors like Taos Amrouche, Birago Diop, Léon Damas, Marie de France, Charles Perrault, Marguerite de Navarre, and Guy de Maupassant, we will gain a basic understanding of the history and culture of Francophone civilizations from the

Middle Ages to the present. Additional activities would ideally include interviewing local Francophone people and going for group bike rides around Hartsville (weather permitting). Students with any level of prior French knowledge will learn how to access and value new sources of nourishment, conversation, culture, entertainment, and community.

Instructor: Dr. Antonio de Ridder-Vignone, Dr. Chris Champi

Max Students: 12

Min Students: 2

Cost: None

What Nature Knows: Community, Autonomy, and Stillness in the Technological Age (formerly How to Do Nothing)

(virtual)

Description: In this interdisciplinary interim course, we will explore what nature has to teach us about living in an increasingly technological world in which we are both more connected than ever and yet, somehow, less connected than ever. What can we learn from tree root networks? From the co-evolution of birds and berries? How can we hear the language of plants? As ecologist Robin Wall Kimmerer insists, these are not only philosophical questions, but also rich areas of scientific inquiry: As she says, “‘Why is the world so beautiful?’ is a question that we all ought to be embracing.” In addition to tracking the wisdom of the natural world, we will examine the consequences of humanity’s alienation from it. How is the frenetic pace of modern life and the entrancing power of social media affecting human cognition, global politics, and mental health? Along with scholars from across the disciplines, we will take on these and other questions in order to emphasize the complicated links between human and environmental well-being. Texts we might consider include Jenny Odell’s *How to Do Nothing*, Robin Wall Kimmerer’s *Braiding Sweetgrass*, and Sarah Iven’s *Forest Therapy*, among others. Podcasts, TedTalks, and films will supplement our readings. Though the class is virtual, students can expect assignments that ask them to get outside safely. Further, while the virtual nature of this course will not allow us to fully disconnect from technology, students should expect to practice dis-engaging from technology in the form of phone-free days or social-media blackouts.

Instructors: Dr. Cara Roberts, Dr. Kristen Angierski

Max Students: 15

Min Students: 3

Cost for the student: None

South Carolina Marine Biology (new, in person)

Description: South Carolina offers a wide variety of marine ecosystems, including salt marshes, maritime forests, hammock and barrier islands, in addition to its notable beaches. This course introduces the basics of marine biology, land management, and conservation, with a focus on the biodiversity and ecology of the South Carolina coast. We will explore and observe all life from microfauna such as plankton, spaghetti worms, and mollusks; to macrofauna such as alligators, seabirds, and possibly marine mammals. We will also help restore the native cordgrass, *Spartina*, to local salt marshes. Marine ecological skills such as field identification, transects, and seining will also be taught during off-campus trips. This course will be a field-based collaboration with S.C. Sea Grant Consortium and local researchers, with three or four day-trips to the College of Charleston’s Grice Marine Laboratory, Botany Bay and Edisto Island, and the SCDNR Wildlife Management Areas of Donnelly and Bear Islands. Additional opportunities, including a SCDNR boat program, may be planned for the day trips, pending availability.

Instructors: Dr. Jennifer Brown, Dr. Bhuvana Parameswaran, E.V. Bell (S.C. Sea Grant Consortium)

Maximum Students: 7

Minimum Students: 2

Cost for the student: \$100 for off campus programs. Students will also pay the cost of meals on (an estimated) 3-4 occasions.

Buddhist Philosophy (new, hybrid)

Description: This course provides an introduction to some of Buddhism’s key philosophical foundations. It investigates the early teachings of the Buddha as well as later commentaries, reinterpretations, and applications, from ancient India to the present day. Philosophical topics covered will include the causes of human suffering, the nature of the self, theory of mind, human volition (will), cause-and-effect (karma), and mindfulness. We will also consider the interconnectedness

of theory and practice as we explore cultural practices as diverse as meditation, iconography, and tea ceremonies. Students should expect to engage in guided and self-directed mindfulness activities as well as contemplative outdoor experiences.

Instructors: Dr. Joe Wensink, Dr. Chris Roberts

Maximum Students: 13

Minimum Students: 5

Cost for the student: None

Trek and Capture the Carolinas (new, in person)

Description: Come explore the Carolinas with us! This class will combine both treks in the various areas of the Carolinas and the photo journaling of them. We plan to make multiple short and long hikes while experiencing the beauty and biodiversity of our state, all while capturing it digitally. Note that appropriate clothing and footwear is required, and the ability to trek in varied terrain for as much as 5 hours.

Instructors: Dr. Mark Godwin, Dr. Glenn Morrow

Maximum Students: 14

Minimum Students: 6

Cost for the student: \$75 fee. Because of the length of some of our plans, students will have to buy meals on (an estimated) 5 occasions.

Creative Pursuits (new,virtual)

Description: This course is a workshop designed to help students discover and nurture their creativity. First days will include readings and discussion from Julia Cameron's The Artist's Way, the groundbreaking guide to creative practice, as well as sessions with a multidisciplinary artist and creativity expert. Students will then develop an original project, with the support and guidance of the instructors, in any field of creative endeavor to pursue during our remaining time.

Instructors: Dr. Deidre Hall, Dr. Jessica Pitchford

Max Students: 10

Min Students: 1

Cost: No fee. Students will be responsible for buying their own supplies depending upon the project they devise.

Underwater Exploration through SCUBA certification (new, in person)

Description: Students will work toward their SSI open-water SCUBA certification with certified instructors from the Wateree Dive Center. This class will include online lessons and material, classroom instruction, and practical experience diving and testing their skills in a controlled swimming pool environment and open water conditions on day trips to rivers, lakes, or the ocean.

Instructors: Laura Dostert, Dr. Paul Dostert

Maximum Students: 12

Minimum Students: 6

Cost for the student: \$900 - Dive course tuition, equipment rentals, entrance fees for open water dives, mask, fin and snorkel (to keep). Some additional cost for food/expenses on trips to open water dives.

2021 Interim Course Student Request Form

***** Please complete and email to Ms. Jane Etta Bryan no earlier than Wednesday March 3 at 5PM and no later than Monday, March 8 at 5PM. *****

If you choose to stay in the interim course you enrolled in for January, please write the name of that course as your first choice. Otherwise, request your top **three (3) choices** for courses that you are interested in taking during interim. You may choose the course you enrolled in for January as your 2nd or 3rd choice, but, if you do so, you will not be given preferential enrollment for it. Courses are filled as requests are received. When making your requests, note the cost associated with each course and know that some courses might not occur if the minimum number of students needed is not met. Also, keep in mind that if the maximum number of students is exceeded, placement will be based on requests in the order they are received. If you are requesting the same class for the second year in a row, you must receive permission from Mr. Dorsel. If you have questions about interim, please contact Dr. Matt Martin

Timeline for course request, placement and payment is as follows:

- **Monday, March 8:** Last day to return course request form to Ms. Bryan. Students will be notified of their course placement after all requests are submitted.
- **Friday April, 16:** Full payment of the course fee is due. **Fees may be paid online at <https://ssl.sc.gov/checkout/scgssmonlinepmts/> or by check payable to GSSM with Interim on the memo line given to Ms. Kelly Butler.**

Student Name: _____

First Choice: _____

Second Choice: _____

Third Choice: _____

Student Signature indicating that you have talked with your parents/guardians and they approve of your choices:

_____ **Date:** _____

To be completed within the Academic Office:

Completed course request form received on: _____

Course placement: _____

1st payment amount and date received: _____

Full payment amount and date received: _____