

Interim Course Catalog for January 2022

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 2021-2022 interim, which is from **Tuesday, Jan 4 to Wednesday, January 19**. 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 it to Ms. Jane Etta Bryan (bryan@gssm.k12.sc.us) between Tuesday September 14 at 5pm and Monday, September 20 at 5 pm.

Notes:

- 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 Dr. Martin.
- 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 they later withdraw or are dismissed from GSSM prior to or during interim. In such cases, 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 (mmartin@gssm.k12.sc.us).

January Interim 2022 Courses

Course descriptions including instructors, student numbers and cost can be found in the pages following this list.

1. Origami: The Art of Paperfolding
2. Glider Piloting at the Bermuda High Soaring School
3. The Genealogy of a Govie
4. The Cooking Lab
5. Skiing and Hiking in the Interim
6. Patchwork Quilting: Stitching Together Textile Art and Geometry
7. Art in the Interim
8. Historical Simulations: Learning History Through Roleplaying Games
9. Equine Science and Horsemanship
10. Mental Health in Pop Culture: The Psychology of Adrian Monk
11. The Mathematics of Game Shows
12. Mathematical Problem Solving
13. World Building in the Films of Studio Ghibli
14. A Quick Course on Medical Lab Technology
15. Buddhist Philosophy
16. Getting Out and Wild in SC
17. Chess in the Interim
18. Computational Biology
19. Building the Outdoor Classroom Using Sustainable Materials and Maybe Other Architectural Activities
20. Ink and The Infinite
21. Music Performance Interim
22. Underwater Exploration Through SCUBA Certification

23. Strength and Conditioning & Sports Medicine
24. College Athletics: Past, Present, and Future

Course Descriptions

Course Title: Origami: The Art of Paperfolding

Course 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.

Instructors: David Whitbeck, Roy Flannagan

Max Students: 20 **Min Students:** 2

Cost for the student: 0

Course Title: Glider Piloting at the Bermuda High Soaring School

Course 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 minutes) for ground school and 3-5 flights, weather permitting. Learn more about gliding and the Bermuda High Soaring School at www.glider.org.

Instructor: Reggie Bain

Max Students: 6 **Min Students:** 2

Cost for the student: Cost is \$2500 per student. This covers all course related expenses as dictated by Bermuda High Soaring School.

Course Title: The Genealogy of a Govie

Course Description: Can you name each of your 8 biological great grandparents? Do you know where they were born or which kind of jobs they held? In this course, students will grow their own family tree and chart the migration of their families over the past 200 years. You will undoubtedly discover fascinating events involving your ancestors and the lives they led. We will examine numerous ancestry resources including census and marriage records, birth and death certificates, military records, and newspaper articles. We will also travel to Columbia for a visit to the SC Department of Archives and History and/or the Family History Library. The pertinent records you find can help you understand the stories and circumstances that brought you and your extended family to the present day.

Instructor: Dr. Gary Salazar

Max Students: 14 **Min Students:** 4

Cost for the student: 0

Course Title: The Cooking Lab

Course Description: Students will learn basic cooking skills, as well as study some of the science and math behind cooking. They will also get the opportunity to explore their interests.

Instructor: Jenny Salazar, Phelesia Jones-Cooper, possibly Paula Bailey (from Coker) on video

Max Students: 12 **Min Students:** 4

Cost for the student: \$20. This will cover any food that Aramark cannot supply.

Course Title: Skiing and Hiking in the Interim

Course Description: According to Wikipedia, Ivan Origone is the fastest person ever on a pair of skis. On March 26, 2016 in the French Alps, Origone hit 70.820 m/s (158.42 mph). Matthew Jamison Pierre set a world-record cliff jump of 77.7 m (255 feet) at the Grand Targhee Resort in Wyoming. He skied away with a bleeding lip from being hit by a shovel when his partners dug him out of his 12-foot hole. It has been estimated that Pierre was almost at terminal velocity when he hit the ground. Can you match their feats in South Carolina? Well, no... But you can ski, board, and explore the science of skiing during the Skiing interim. The interim will include 5-6 full days of skiing/boarding, which includes transportation, tickets, lesson (if needed), equipment and 6 nights lodging. Between snow days, you will explore the physics that underlie day-to-day ski activities, as well as the superhuman feats of daredevils and athletes like Origone and Pierre. We may also include a few moderate (2 hours) park treks. This interim is open to students of all physics/ski abilities. Care to risk it?

Note: Presently there are no Covid restrictions at the ski slopes and hotels we are planning for this course. Normal GSSM Covid procedures will apply regardless.

Instructor: Mark Godwin, Glenn Morrow

Max Students: 13 **Min Students:** 8

Cost for the student: \$1200

Course Title: Patchwork Quilting: Stitching Together Textile Art and Geometry

Course 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 including a throw blanket to keep. In addition to personal projects, the class will work together to create a class quilt to be donated to someone in need of comfort. No sewing experience required; needed machine and hand sewing skills will be taught in this course.

Instructor: Kristin Walker

Max Students: 6 **Min Students:** 3

Cost for the student: \$30 To buy fabric for their own throw blanket.

Course Title: Art in the Interim

Course Description: In this dynamic visual arts course, students will learn and work in an inspiring, studio-based art environment rich with student-choice opportunities. Working alongside professional artists, students will explore traditional and contemporary art techniques and processes, using a variety of materials to create meaningful 2D and 3D works of art. In addition to the creative hands-on experience, art students will engage in critiques, and write personal artist statements relating to their artwork. 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.

Instructor: Patz Fowle, Mike Fowle

Max Students: 12 **Min Students:** 1

Cost for the student: 0

Course Title: Historical Simulations: Learning History Through Roleplaying Games

Course Description: Let's be honest: Some people do not like history classes. Does that sound like a fair statement that describes you? Even if it doesn't, do you wish that history could be taught differently somehow? Historical roleplaying games allow students to learn about the past while engaging in simulations that reward cooperation, strategic thinking, strong communication skills, and organization. Throughout the course, students will play multiple stand-alone games that place them within the past as they roleplay as historical figures to accomplish personal and group objectives. Dice? Yes, we will have dice. No travel is involved, but be prepared to move out of your desks regularly. Come take part in games that simulate the outbreak of World War One, the London Cholera Epidemic of 1854, the Cuban Missile Crisis, and the 2009 Copenhagen Climate Conference, among others.

Instructor: Dr. Spencer Tyce

Max Students: 22 **Min Students:** 14

Cost for the student: 0

Course Title: Equine Science and Horsemanship

Course 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.

Instructor: Jennifer Borgo Raia, Carl Yackey

Max Students: 12 **Min Students:** 8

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

Course Title: Mental Health in Pop Culture: The Psychology of Adrian Monk

Course Description: This course will use the television series *Monk* as a foundation for exploring and understanding specific psychological disorders and their corresponding treatment protocols. It will also address societal practices in the treatment of mental illnesses in general, and consider differences in public versus private delivery systems. We will travel to Williamsburg for one overnight to visit the museum for the first psychiatric hospital in America and also a day trip to Columbia SC to observe a SC Mental Health Commission meeting and tour a currently operational psychiatric hospital.

Instructor: Alison Evans, Faith Tyners

Max Students: 12 **Min Students:** 6

Cost for the student: \$175 to cover hotel and dinner cost for one night in Williamsburg, Colonial Williamsburg tourism pass, and minimal supplies.

Course Title: The Mathematics of Game Shows

Course Description: Contestants on a variety of game shows, such as *The Price is Right*, *Who Wants to be a Millionaire*, and *Deal or No Deal* (among others) are tasked with making decisions that could either win them a lot of money or cost them a lot of money. Mathematics can be used to figure out the best strategies for contestants on these shows. This course will consider game shows as a way to investigate the mathematics behind good decision-making.

Instructor: Wilson Harvey

Max Students: 15 **Min Students:** 4

Cost for the student: 0

Course Title: Mathematical Problem Solving

Course 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: 7 **Min Students:** 3

Cost for the student: 0

Course Title: World Building in the Films of Studio Ghibli

Course Description: “The creation of a single world comes from a huge number of fragments and chaos.” —Hayao Miyazaki. Films create worlds through two-dimensional images. This interim class will explore how films from the world’s greatest animation studio create worlds that are both magical and deeply moving. We’ll start with two foundational Ghibli films—Miyazaki’s *My Neighbor Totoro* (cat bus!) and Isao Takahata’s *Grave of the Fireflies*—to analyze the films and look at the role of myth and Japanese history and culture in them. Each student, as part of a group, will then choose a film we watch and lead a discussion of world building in it. Students will also keep journals during the course and read a few articles on film analysis and history.

Instructor: Matt Martin

Max Students: 18 **Min Students:** 4

Cost for the student: No fee. Students will need to have a membership to HBO Max for access to the films, about \$15 for a month.

Course Title: A Quick Course on Medical Lab Technology

Course Description: Students will learn the application of basic techniques and instruments used in all areas of medical laboratories. These correlate with core MLT courses to include activities for phlebotomy, waived testing, urinalysis, hematology, chemistry, immunology, blood banking, and microbiology. Students will also gain a basic understanding of the use of clinical data, the interpretation of diagnostic information, the limits of using clinical data for diagnosis, and using clinical data to solve problems with the help of case studies and seminar talks.

Instructor: Bhuvana Parameswaran

Max Students: 10 **Min Students:** 6

Cost for the student: 0

Course Title: Buddhist Philosophy

Course Description: This course introduces some of Buddhism's key philosophical foundations. It investigates the early teachings of the Buddha as well as later commentaries, interpretations, and applications, from ancient India through its spread and influence across the world 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), mindfulness, and universal loving-kindness. 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.

Instructor: Dr. Chris Roberts, Dr. Joe Wensink

Max Students: 13 **Min Students:** 5

Cost for the student: 0

Course Title: Getting Out and Wild in SC

Course Description: Let's go outside and play! This exciting ecology-focused class takes you to the beautiful outdoor classrooms of South Carolina's public lands. Explore these areas through the study of their natural history and current management strategies, and meet the individuals who care for these lands, including dedicated activists committed to resource preservation. You will also explore the effective private and public partnerships committed to conservation. Ultimately, you will learn the complexities and challenges of managing public lands, and develop a sense of appreciation for these spectacular natural resources. The sites we will visit include Congaree National Park, Francis Beidler Forest, Winyah Bay, Botany Bay Heritage Preserve/Wildlife Management Center, Tom Yawkey Wildlife Center Heritage Preserve, ACE Basin National Wildlife Refuge, Sandhills National Wildlife Refuge, and Kalmia Gardens of Coker University/Segars-McKinnon Heritage Preserve. Some walking required, which will occur at a slow pace. These are mostly day trips with the possibility of one overnight stay, following COVID-19 safety precautions.

Instructor: Jennifer Brown and Karl Rohr

Max Students: 13 **Min Students:** 2

Cost for the student: \$150

Course Title: Chess in the Interim

Course Description: Whatever level a chess player might be, they still have much to learn. Playing chess has often been shown to improve such valuable traits as the ability to concentrate, memory, and the ability to analyze and solve problems. It is also a lifelong skill for endless inexpensive fun! In this course, students will present to each other on the chess tactics, strategies, and openings. Guest speakers will present to the class as well. Students will also play lots of chess. No travel is involved in this course.

Instructor: Gordon Brown

Max Students: 16 **Min Students:** 4

Cost for the student: 0

Course Title: Computational Biology

Course Description: Biology covers so many areas including ecology, medicine, genetics, zoology, agriculture, biophysics, bioengineering, biochemistry, and many more. A recent theme in biology is the generation of a lot of biological data that needs to be analyzed by computers. For instance, DNA can now be cheaply sequenced (think 23andMe), providing insights into human ancestry and medical risk factors. Digital biology is a dynamic scientific discipline that utilizes

computational and statistical methods for solving biological problems. A major theme in digital biology is to integrate and understand biological data generated by genome sequencing projects and other high-throughput molecular biology efforts. Digital biology tools are developed to reveal fundamental mechanisms underlying the structure and function of macromolecules, biochemical pathways, disease processes, and genome evolution. In this course, you will learn some of the basic computational skills you need to study biological systems. These skills include Jupyter Notebooks, Linux, the Command Line, and the Python programming language. Then you will apply these skills to real biological datasets including all human genes and the coronavirus genome. University research labs and the biotechnology industry desperately need people with these skills, and they are challenging but FUN to learn. The course will be delivered using the Praxis AI learning platform which will have videos, web resources, a discussion board, and experiential labs. This mixed environment should be a great way to learn the exciting field of digital biology. We will meet daily as we interact with online learning platform and hold large group discussions. This course requires no travel.

Instructor: Al DeGennaro

Max Students: 12 **Min Students:** 4

Cost for the student: 0

Course Title: Building the Outdoor Classroom Using Sustainable Materials and Maybe Other Architectural Activities

Course Description: Students will learn how to build structures using sustainable building materials and techniques. Other architectural subjects may be introduced, such as perspective drawing techniques, or creating building plans, depending on students' desires.

Instructor: Elaine Parshall, Elizabeth Bunn, Cara Roberts

Max Students: 12 **Min Students:** 4

Cost for the student: 0

Course Title: Ink and The Infinite

Course Description: In this course students will investigate the intersection of mathematics and literature. Readings will include "The Library of Babel" by Jorge Luis Borges, "The Infinite Assassin" by Greg Egan, "The Nine Billion Names of God" by Arthur C Clarke, and other selected works in prose and poetry (any suggestions?) that feature mathematics. Students will discuss aspects of literature, foreign language, and mathematics with the instructors and write their own mathematical poetry.

Instructor: Roberto Robles, Taylor Belcher, Chris Champi

Max Students: 5 **Min Students:** 20

Cost for the student: No fee. Maybe \$15-\$20 out of pocket for lunch somewhere in our one day trip to a library.

Course Title: Music Performance Interim

Course 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 multi-cultural music, music theory, and music history. Towards the end of the term, we will travel to Charlotte, NC to see a musical, orchestra, or opera performance at the Blumenthal Performing Arts Center. For our final presentation, we will be in the spotlight of the school community to showcase our mastered works in the gymnasium!

Instructor: Miranda Averill, Stephen Kaczowski

Max Students: 15 **Min Students:** 5

Cost for the student: No fee. At least \$80.00 for dinners during trips

Course Title: Underwater Exploration Through SCUBA Certification

Course 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. The course will include overnight travel to Crystal River, Florida.

Instructor: Antonio De Ridder

Maximum: 12 **Minimum:** 6

Cost for the student: \$1000 - Dive course tuition, equipment rentals, entrance fees for open water dives, mask, fin and snorkel (to keep), and extra \$\$ for food/expenses on the trip for open water dives.

Course title: Strength and Conditioning & Sports Medicine

Course Description: Designed to help students understand weight training, functional strength and conditioning training, and the fundamentals of how sports medicine provides adequate care to specific populations. This class will be hands on in the weight room, gymnasium, and YMCA.

Instructor: Hugh O'Connor, Jennifer Nesselth, Jacob Robertson

Max students: 16 **Min students:** 6

Cost for the student: 0

Course Title: College Athletics: Past, Present, and Future

Course Description: This course will explore the past, present, and future of various aspects pertaining to college sports. Class meetings will include discussing a book and videos pertaining to the history of various sports, viewing of current sporting events, and brainstorming about where college sports is headed (or could head).

Instructor: Lance Riddle

Max students: 12 **Min students:** 4

Cost for the student: \$20 to cover food and drink when watching various events like the college football national championship.

Interim Course Student Request Form for Seniors

Please complete and email to Mrs. Jane Etta Bryan by no later than Monday, September 20.

Please request your top **3 choices** interim courses. Courses are filled as requests are received. Please note the cost of each course and know that some courses might not occur if the minimum number of students do not enroll. If more students request the course than its maximum, enrollment will be based on the order requests were received. If you are requesting the same class for the second year in a row, you must receive permission from Dr. Martin. If you have questions about interim, please contact Dr. Matt Martin (mmartin@governors.school).

Timeline for course request, placement, and payment:

- **Monday, September 20:** Last day to return course request form to Ms. Bryan. Students will be notified of their course placement after all requests are submitted.
- **Wednesday December 1:** Full payment of the course fee is due. Fees may be paid online at <https://ssl.sc.gov/checkout/scgssmonlinepmts/residentialProgram.html>.

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: _____

Full payment amount and date received: _____