SESSIOINAL INSTRUCTOR POSITIONS IN SCHOOL OF INTERACTIVE ARTS & TECHNOLOGY
SUMMER 2019

Duration: May– August 30, 2019
Semester: May 6 – August 2, 2019

The following is a list Interactive Arts & Technology courses offered for the Summer 2019 semester that may require SI positions. Classes start May 6 & grading ends August 30th.

For complete details and qualifications of the positions, visit https://internal.fcat.sfu.ca/appointments/

Please apply using the online form at https://internal.fcat.sfu.ca/appointments/

IAT 103W – Design Communication & Collaboration – Reserved for IAT Graduate students
Location: Surrey Campus

Contact hours: 3.00 for 1 lecture Section + 1.25 hrs of prep time = 4.25 total contact hours

QUALIFICATIONS

- The ideal candidate will have a strong background in Writing in the Disciplines and demonstrated experience teaching Writing Intensive courses.
- Experience in the areas of rhetoric and composition, writing feedback and revision, academic writing, technical or professional writing is strongly preferred.
- Candidates may be asked to demonstrate their ability to provide effective written feedback on student writing.

IAT 103W Course Schedule:
Lecture:
D100  TUES  14:30-17:20

IAT 110 – Visual Communication Desing
Location: Burnaby Campus

Contact hours: 3.00 for 1 lecture Section + 1.25 hrs of prep time = 4.25 total contact hours

QUALIFICATIONS

- education or extensive domain knowledge of graphic design and/or media arts education or practice with demonstrable knowledge in typography and layout
- education and/or practice in motion design with the ability to teach flipbook and stop motion projects
- education and/or extensive knowledge of design sketching
- excellent English in oral and written communication skills
- excellent organizational and time-management skills
- prior lecturing and classroom management skills are preferred
- link to CV of teaching experience and education, in addition to portfolio are required.

IAT 110 Course Schedule:
Lecture:
D100  WED  14:30-17:20
IAT 202 – New Media Images
Location: Surrey Campus

Contact hours: 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

QUALIFICATIONS
- an active video or film production practice
- knowledge and experience teaching the history of film, video and/or media arts
- experience and ability conducting lectures and leading workshops
- high proficiency with all aspects of video production, including digital DSLR cameras for video, location sound recording, sound editing and lighting
- high proficiency with all aspects of video post-production, including editing, effects and soundtrack design
- proficiency with Final Cut Pro, Adobe Premier, After Effects, Adobe Soundbooth, Audacity (and other audio editing software)
- strong course management skills, including fairness in grading and providing guidance to teaching assistants

IAT 202 Course Schedule:
Lecture:
E100 TUE 16:30-18:20

Studio Labs:
E101 WED 14:30-16:20
E102 WED 16:30-18:20

IAT 267 – Intro to Technological Systems – Reserved for IAT Graduate students
Location: Surrey Campus

Contact hours: 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

QUALIFICATIONS
- proven ability to teach electric circuit principles, electric components and sensors, Arduino and Processing
- in-depth knowledge of Arduino, electronics, ability to explain the operating principles of sensors / input transducers and actuators and how these devices are communicating with computers
- theoretical and practical knowledge of Arduino hardware and software platform, Processing programming and experience with topics such as interfacing device through serial communication, networking, sensing, RFID and other physical computing topics
- teaching experience in the above areas
- Ability to answer code and circuit-related questions and give meaningful feedback to students.

IAT 267 Course Schedule:
Lecture:
D100 FRI 12:30-14:20

Studio Labs:
D101 FRI 14:30-16:20
D102 FRI 16:30-18:20
D103 FRI 18:30-20:20 * Tentative Lab – Contact hours will change to 5.05 if Lab is filled.
IAT 309W D100 – Writing Methods for Research  
Location: Surrey Campus

Contact hours: 3.00 for 1 lecture Section + 1.25 hrs of prep time = 4.25 total contact hours

QUALIFICATIONS
- we have an instructor vacancy for this upper division Writing Intensive course
- the instructor is responsible for 3 weekly contact hours of combined lecture/workshop time, 1 hour of office hours, and the supervision of 1 Teaching Assistant
- excellent written and oral communication skill in English
- will have a strong background in Writing in the Disciplines and experience teaching Writing Intensive courses
- will have experience in the areas of rhetoric and composition, feedback and revision, academic writing
- technical or professional writing is strongly preferred

IAT 309W Course Schedule:

Lecture:
D100 WED 9:30-12:20

IAT 334 – Interface Design  
Location: Surrey Campus

Contact hours: 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

QUALIFICATIONS
- The ideal candidate will have a strong background in interface design, including human-computer interfaces, prototyping and evaluation of user interfaces.
- good Graphic Design skills, practice in interface design
- good working knowledge in HTML and CSS
- good working knowledge in Axure, or similar
- excellent understanding of the field of user interface design
- excellent communication and critiquing skills

IAT 334 Course Schedule:

Lecture:
D100 MON 12:30-14:20

Studio Labs:
D101 MON 14:30-16:20
D102 MON 16:30-18:20
**IAT 339 – Web Design & Development**

**Location:** Surrey Campus

**Contact hours:** 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

**QUALIFICATIONS**

- professional experience as a front-end web designer and developer
- education or extensive domain knowledge of web design and development
- excellent organizational and time-management skills
- high level of experience in developing and debugging modern standards-compliant web coding, scripting and versioning (i.e. HTML, CSS, Git, JavaScript, SASS)
- high level understanding of web development and debugging software (i.e. in-browser web developer tools, validators, preprocessors)
- prior lecturing experience as well as classroom management skills are required
- evidenced proficiency as an Instructor
- link to portfolio of front-end web design and development work required

Please note: new candidates may be asked to complete a small skills test.

**IAT 339 Course Schedule:**

**Lecture:**
D100  THUR  8:30-10:20

**Studio Labs:**
D101  THUR  12:30-14:20
D102  THUR  14:30-16:20

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**IAT 343 – Animation**

**Location:** Surrey Campus

**Contact hours:** 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

**QUALIFICATIONS**

- experience and ability conducting lectures and leading workshops
- experience critiquing and mentor teams on linear and interactive computer graphics projects
- strong experience in 3D Computer Graphics including modelling, rendering and animation (familiarity with Autodesk MAYA 3D is essential including some level of character animation)
- strong knowledge of the 3D film or gaming production pipeline
- knowledge of cinematography, storytelling and animation production including the 3D pipeline for linear animation of storyboarding, animatics and final work
- knowledge of traditional 2D animation drawing and graphics design
- familiarity with image/video editing (i.e. Photoshop), video editing (i.e. Adobe Premiere, FCP, After Effects)
- familiarity with interactive 3D graphics such as Unity game engine
- simple knowledge of math/graphics programming in 2D and 3D CGI systems (able to teach simple physics, math and programming concepts to non-technical students
- teaching experience to provide portfolio feedback

**IAT 343 Course Schedule:**

**Lecture:**
D100  FRI  10:30-12:20

**Studio Labs:**
D101  FRI  12:30-14:20
D102  FRI  14:30-16:20
IAT 359 – Mobile Computing
Location: Surrey Campus

Contact hours: 3.20 for 2 lab sections + 1.25 hrs of prep time = 4.45 total contact hours

QUALIFICATIONS
- Excellent knowledge of mobile application development on the Android platform and teaching experience in this area
- Demonstrated proficiency with Java programming and Android Studio
- Undergraduate teaching experience and demonstrated ability in maintaining course records in an organized manner
- Demonstrated ability to manage the classroom, online course delivery system Canvas) and supervision of teaching assistants

IAT 359 Course Schedule:

Lecture:
D100  TUE  14:30-16:20

Studio Labs:
D101  WED  10:30-12:20
D102  WED  12:30-14:20

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IAT 802 – Quantitative Research Methods and Design
Location: Surrey Campus

Contact hours: 3.00 for 1 lecture Section + 1.25 hrs of prep time = 4.25 total contact hours

QUALIFICATIONS
- Deep skills and knowledge in quantitative research, experimental design, and statistics
- Experience with and understanding of research design and analysis using statistical software (JMP and SPSS)
- Experience in designing, conducting, analyzing and writing up of diverse quantitative or mixed-methods scientific research projects
- Excellent teaching, classroom management and motivation skills
- Reliable, proactive, and well-organized
- Excellent oral and written communication skills to explain complex terms and ideas in a clear manner suitable for a mixed audience

IAT 802 Course Schedule:

Seminar:
G100  THUR  10:30-13:20