



Developer Tools - Level 2 Online Course

This online course is targeted at clinicians, researchers and other health professionals who would like to **develop and adapt** specific software suites to their **OWN** needs or explore the use of the BioGraph Infiniti Editors within the context of a specific biofeedback and/or neurofeedback application for the client population(s) they serve. It is recommended **both** for those who have taken an Introduction to BioGraph Infiniti course or a Developer Tools – Level 1 course and would like pursue further the advanced features and functions of BioGraph software. If you are looking for simple and easy session recording, you will receive **advanced** instructions on the use of the Infiniti system. If you are looking for a way to create your very own screens, scripts and quick starts you will see how the Channel, Screen, and Script Editors can open the door to further learning in this exceptionally powerful development environment.

All online courses are accredited by BCIA to fulfill the continuing education requirements for recertification.

Online Course Benefits

- No travel expense - learn from the comfort of your own home or office.
- All courses are limited to a maximum of 3 participants to ensure individual attention.
- Rotating monthly courses allow for greater flexibility with your schedule.
- The online course has a total of 6-hours of instruction given over the internet. The six hours are divided into four 1.5-hour lessons given twice a week for 2 weeks.
- This online course specializes in the functionality, power and versatility that the Developer Tools of the Infiniti platform has to offer.

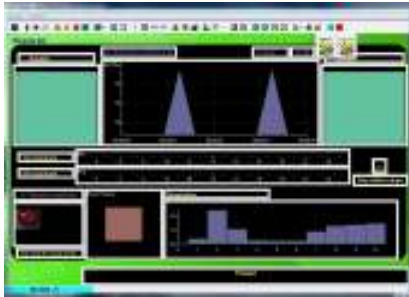
COURSE OBJECTIVES

The objectives for the course will be highly individualized with relation to participant's specific needs. Participants can select from a list of topics already scheduled or they can arrange for a class to address their specific use of the Infiniti System and the purpose they wish to accomplish. Participants will begin to learn how to practically apply the **advanced** features of the BioGraph Infiniti software with their own particular hardware and software configuration under the guidance of the instructors.

LEARNER OUTCOMES

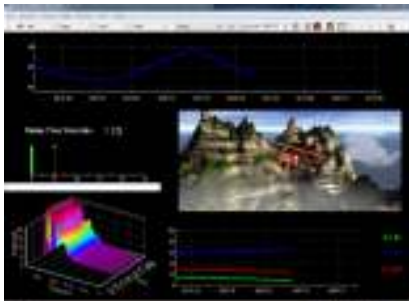
At the end of this 6-hour course participants will have acquired a good understanding of the **advanced** features of the Developer Tools to enable them to use the Developer Tools with their specific applications and make small modifications with confidence. From this base, participants can continue to work alone or in a BFE team to fully explore the potential and power of the system.

**Please note that because Developer Tools 2 is highly individualized, the following lesson format may be subject to change depending upon participants' specific application interests.*



LESSON 1 – ESTABLISH COURSE GOALS AND BEGIN WORKING ON CHANNEL SET EDITOR

In Lesson 1 participants will discuss the goals for their learning within the guidelines of the course objectives. Lesson 1 will focus on the channel set editor features including epoch settings, peak values, virtual channels, and creating other variables within your channel sets.



LESSON 2 – CREATING YOUR OWN DISPLAY SCREENS AND SCRIPTS

In Lesson 2 the instructor will show how to create your own screens and script. There is an overview of screen logic to introduce participants to the sequential placing of instruments to provide a unified feedback from a multitude of different elements. Instructors will draw on the specific areas of interest of the participants to help create new display screens and scripts by selecting from the many “instruments” and “tools” available in the BioGraph Infiniti software.



LESSON 3 – TESTING AND MODIFYING YOUR SCREENS

Lesson 3 will focus on testing and modifying the display screens created in lesson 2. Participants are asked to replay sessions recorded with the screens for homework and “troubleshoot” to make the screens achieve the purpose for which they were designed. The instructor guides participants to better understand the importance of screen logic. Participants are expected to become more comfortable with the use of the new display screens to provide the type of feedback or reports they need.



LESSON 4 – MANAGED SESSIONS AND REPORTS

Lesson 4 will focus on key concepts such as activities, steps and phases in a managed session. The instructors will show the most useful session reports for in-clinic and/or home training programs as well as trend reports to monitor the client's progress and try to help to reduce the number of re-evaluations to client visits to a minimum.

This course is intended for licensed health professionals and those participants seeking BCIA certification if they are not already certified. As this online course is a “hands-on” learning experience, you are required to use your equipment online including computer with software, encoder and sensors. Also required are: High speed internet, Skype™ and GoToMeeting software and user ID, headset and microphone.

COURSE PREREQUISITES:

Participants at this course must have completed the Introduction Online course or Developer Tools level 1 Course.

INSTRUCTORS:

The following presenters will teach this course and will guide you to a better understanding of your Infiniti system:

Linda Walker, MHR, LPC, BCIA-EEG: Linda Walker holds a master’s degree in Human Relations and



Counseling from the University of Oklahoma and post graduate certificates in substance abuse and school counseling from Western Michigan University. She is licensed as a professional counselor in Oklahoma and Michigan, and as a school counselor in Michigan. She has worked with troubled youth and their families for over 12 years, most notably at Nokomis Challenge Center, a state training school for juvenile offenders in Michigan. At Nokomis, Linda has been dedicated to developing and implementing the agency’s neurofeedback program. She also specializes in EMDR and substance use issues, serves as an instructor in the experiential wilderness therapy program and acts as a treatment group leader. Linda is certified in EEG biofeedback from the Biofeedback Certification Institute of America and is presently studying within a doctoral program in psychophysiology.

Elizabeth Tegan, M.S., R.N., C.S. is a Clinical Nurse Specialist in private practice. She is a psychotherapist and uses neurofeedback and peripheral biofeedback as a part of a holistic approach to mental health issues. She has used neurofeedback extensively for 5 year is and is pursuing BCIA-EEG certification. The population she works with are primarily adults with mood disorders, anxiety, stress related physical problems and trauma survivors.

Pedro Teixeira is a Licensed Physical Therapist (Licenciado em Fisioterapia) in Oporto, Portugal. Pedro is the Biofeedback Foundation of Europe Project Manager for International Research & Education Projects that focus on surface Electromyography. Pedro is the co-author of an 80-hour Post Graduate Course entitled “Introduction to Surface Electromyography”. In addition to completing a first year towards a Masters Degree in Science of Physical Therapy at the Technical University of Lisbon, Pedro has successfully completed European continuing medical education courses on movement dysfunctions and biofeedback. Pedro then worked in rehabilitation and sports with the Portuguese National Team in Basketball, and in other high level sports teams in Rugby, Tennis, and Surfing. For the last four years Pedro’s clinical work has focused on pain management and rehabilitation using surface electromyography and other physiological signals that provide information on psychosomatic symptoms. Pedro instructs BFE online courses on Surface Electromyography in English and Portuguese.

Geneviève Moreau: Before pursuing her studies in psychology, Geneviève was an occupational therapist. She then trained in neurofeedback at the ADD Center near Toronto as part of a clinical internship with Lynda Thompson, a leader in the field of neurofeedback development in Canada. Her doctoral research seeks to document how neurofeedback can optimize one’s performance during IQ evaluations, and examines the ways in which one may diminish the need for stimulants such as Ritalin when treating children with various attention deficit disorders.

FOR MORE INFORMATION OR TO REGISTER VIA TELEPHONE:

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CANCELLATION POLICY: *Cancellations must be received in writing if requested prior to 1 week before the course date. You will receive credit towards a future course minus an administration fee of US\$ 50. Cancellations after this date forfeit registration fee. Thought Technology Ltd. reserves the right to cancel the course with full refund.*