

## **InMindOut QEEG Certificate Course Objectives**

Thank you for choosing InMindOut's certificate course for your IQCB accredited 40-Hour didactic education. We provide the most up to date research in our course to ensure sufficient knowledge for passage of the IQCB exam and to support in obtaining board certification. By the conclusion of this course, the participants will be able to:

1. Explain the uses for qEEG assessments and resulting data;
2. List the definitions associated with the latest empirical qEEG research;
3. Explain the therapeutic relationship between the qEEG practitioner and client;
4. Demonstrate qEEG techniques necessary to pass the IQCB exam;
5. List and define terms associated with signal processing;
6. Describe the qEEG intake process including collection of medical history, psychological conditions, medications, psychosocial and family history, and relevant biographical information, etc.
7. Describe how qEEG services should be limited to the practice standards and guidelines of one's license or the license of their supervisor and also to those areas where one has: sufficient training and familiarity with the client population and disorders;
8. Describe the ethical and professional conduct of practitioners expected by the IQCB;
9. Explain basic neurophysiology and the connection to qEEG;
10. Explain basic neuroanatomy and the connection to qEEG;
11. Explain how the EEG signal is acquired;
12. Describe the non-electrical equipment involved in qEEG;
13. Describe the electronic systems involved in qEEG;
14. Explain the comparison between qEEG and other neuroimaging techniques;
15. Describe montages and their characteristics associated with qEEG;
16. Explain and recognize abnormal EEG patterns;
17. Explain and recognize normal EEG patterns;
18. List the psychopharmacological considerations when practicing qEEG;
19. Explain client rights associated with privacy, confidentiality, privileged communication, informed consent to assessment and treatment, treatment contract apprising of possible adverse effects, accepting clients, abandonment, and appropriate referrals, equal access to health care, and HIPAA compliance;
20. Explain the purposes and process of supervision and consultation in qEEG practices;
21. Describe the purposes and process of mentoring in qEEG practices;

22. Define professional relationships in qEEG practices including: dual relationships, conflicts of interest and exploitation of clients, consultations, referrals, and relationships with other professionals, medical and medication monitoring, procedures for dealing with unethical behavior and consumer complaints;
23. Explain the current trends in qEEG software and equipment;
24. Demonstrate qEEG assessment protocols and implementation of qEEG assessments in treatment;
25. Demonstrate how to edit raw EEG and artifacts;
26. Explain database criteria and how to choose the best database for subject inclusion/exclusion;
27. Explain the fundamental statistical considerations within databases;
28. Describe Z-score measures;
29. Demonstrate how to generate and interpret topographic and spectral maps;
30. Explain the sources of brain activity and which frequency bands normally emanate;
31. Describe developmental changes in the EEG;
32. List which EEG signatures should be referred out to other professionals;
33. Explain how Brodmann area functions and network connections are related to qEEG practices;
34. Describe the general cognitive and clinical changes that take effect after neurofeedback training based on publications;
35. Explain how clinical presentation may affect the EEG.

Again, thank you for choosing the InMindOut QEEG Certificate Course. We look forward to assisting you on your journey as you expand your education!