

**BROCK UNIVERSITY ~ ST. CATHARINES, ONTARIO, CANADA  
INTERNATIONAL CERTIFICATE PROGRAMME IN DUAL DIAGNOSIS**

**COURSE:** Behavioural Phenotypes as a  
Component of Applied Behavioural Analysis

**INSTRUCTORS:** Brenda Finucane, MS, CGC  
Certified Genetic Counselor  
Executive Director, Genetic Services at Elwyn

Barbara Haas-Givler, MEd, BCBA  
Board Certified Behavior Analyst  
Education Specialist

Genetic Services at Elwyn, Inc.  
Elwyn, PA

**INSTRUCTION DATES:** June 7-11, 2010

June 7: (Click on blue links to see handouts)

[DEMYSTIFYING GENETIC AND BEHAVIORAL DIAGNOSES](#)

- Historical overview:
  - Etiological versus functional diagnoses
  - Genetics, Psychiatry, Psychology, and Intellectual Disability (ID)
  - Definition of ID
  - Phenotype versus genotype
  - Ethical issues and cautions
- Applied Behavior Analysis
  - History
  - Definition
  - Current Perceptions
  - ABA and Autism Spectrum Disorders
  - The Functional Behavior Assessment (FBA)
  - Practical Applications for People with ID
- Case studies

June 8:

[GENETIC EVALUATION, TESTING, AND MODES OF INHERITANCE](#)

- Dysmorphology
- Pedigree analysis
- Basic concepts in genetics
- Mechanisms of disease and malfunction
- Pathways from genetics to behavior
- Targeted pharmaceuticals: the new age of intervention

June 9:

[GENETIC DIAGNOSES AND SCREENING](#)

- Down syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Fragile X syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Williams syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- 22q11.2 deletion
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Inborn errors of metabolism
- Population screening

June 10:

[SELF-INJURY / MALADAPTIVE BEHAVIOR](#)

- Smith-Magenis syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Prader-Willi syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Angelman syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Family stress and coping
- Parents' perspectives

June 11

[AUTISM SPECTRUM DISORDERS](#)

- The genetics of autism
- Duplication 15q syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Rett syndrome
  - Genetic, medical, and behavioral overview
  - Implications for FBA
- Approaching the family
- Setting realistic goals and expectations
- Identifying syndrome-specific resources
- Case studies revisited