

*University of Georgia Department of Animal and Dairy Science*

Application form for the short course

**Programming in Animal Breeding**

May 13 – 31, 2024

Athens, GA

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Address1: \_\_\_\_\_

Address2: \_\_\_\_\_

Email: \_\_\_\_\_

Telephone: \_\_\_\_\_

The course will last 3 weeks, and the weeks are split into 2 modules:

Module A: week 1 plus Monday through Wednesday of week 2

- Week 1 (5/13 - 5/17): Introduction to programming in Fortran 95/2003
- Week 2 (5/20 - 5/22): Advanced programming in Fortran and computer algorithms in animal breeding

Module B: Thursday and Friday of week 2 plus week 3

- Week 2 (5/23 - 5/24): Introduction to BLUPF90 family programs
- Week 3 (5/27 - 5/31): Genomic Selection

Prerequisites for Module A:

- Knowledge of mixed models and quantitative genetics;
- Familiarity with Linux /Unix environments;
- Knowledge of programming in any high-level programming language (e.g., Fortran, C, C++, Java, Python) is a strong plus.

Prerequisites for Module B:

- Knowledge of mixed models and quantitative genetics;
- Familiarity with Linux /Unix environments.

Please state your knowledge of the following items:

	<b>Do not know</b>	<b>Learned in class</b>	<b>Learned myself</b>	<b>Use it now for work/research</b>
<b>Mixed models</b>				
<b>**Programming</b>				
<b>Matrix Algebra</b>				
<b>BLUPF90</b>				

\*\*Scientific and numeric high-level programming only (e.g., Fortran, C, C++, Java, Python; with knowledge about loops and conditional statements). R is not considered a programming language.

If programming, which language? \_\_\_\_\_

Fees (US Dollar):

1 module:

\$500 (Graduate student)

\$700 (Academic personnel)

\$1200 (Industry personnel)

2 modules:

\$700 (Graduate student)

\$900 (Academic personnel)

\$1400 (Industry personnel)

How many modules will you attend?

If only one module, which one are you attending (A or B)?

What is your current work / research topic?

\*\* Please email this form by February 16, 2024 Christa Dempsey  
[christa.dempsey@uga.edu](mailto:christa.dempsey@uga.edu) and [nce.ads.uga@gmail.com](mailto:nce.ads.uga@gmail.com)

\*\*Payment information will be emailed to you as soon as your application is processed.