

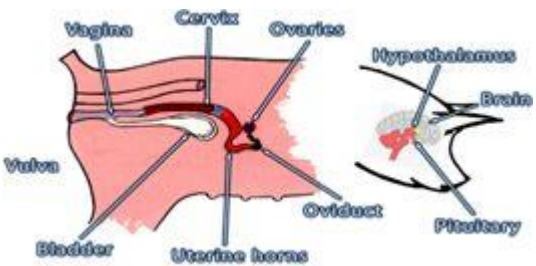




The Science & Practice of Pig Production
Course content 2015

Date	Topic	Presenter
Monday, January 12	Pig Industry Overview • *Global & national pig production.* • *Inputs & outputs in a pig production system.* • *Major influences on profitability.*	*Paul Hughes*
	Introduction to the piggery consultancy assignment	*Paul Hughes*
	Pig production facility visit - Roseworthy	*Paul Hughes*
Tuesday, January 13	Pig Reproduction • *Functional anatomy & physiology.* • *Targets in reproduction.* • *Management of gilts.* • *Maximising litters produced/sow/year.* • *Optimising litter size.* • *Boar management.* • *AI in pigs.*	*Paul Hughes*
	Oestrus detection, mating & AI demonstration	*Paul Hughes*
Wednesday, January 14	Pig Reproduction (continued)	*Paul Hughes*
	Virtual piggery tour 1	*Paul Hughes*
	Piggery consultancy assignment tutorial	*Paul Hughes*
Thursday, January 15	Pig Genetics • *Breeds of pigs.* • *Crossbreeding systems.* • *Breeding programs.* • *Genetic improvement.* • *New technologies in pig genetics.*	*Paul Hughes*
	Visit to SABOR AI station, Clare	*Paul Hughes*
Friday, January 16	Virtual piggery tour 2	*Paul Hughes*
	Pig Nutrition • *Nutrition of the breeding & growing herds. Energy & protein requirements.* • *Diet specifications.* • *Ingredient choice, feed intake requirement & limitations.* • *Least-cost diet formulation.*	*Paul Hughes*













Date	Topic	Presenter
Monday, January 19	Practical pig nutrition • *Dietary additives, growth promoters etc*	*Roger Campbell & Tony Edwards*
	Visit to Laucke feedmill, Sheaoak Log	*Paul Hughes*
Wednesday, January 21	Pig Health • *Disease agents & risk factors.* • *Disease patterns and spread.* • *Biosecurity.* • *Common clinical signs and lesions.* • *Methods of treatment.*	*Roy Kirkwood*
	Post mortem of pig	*Roy Kirkwood*
Tuesday, January 20	Pig buildings/environment/welfare • *Basic housing requirements - space, group size, feeding & drinking space.* • *Housing options.* • *Intensive v. ecoshelters v. extensive production.* • *Alternative housing systems for gestating & lactating sows.* • *Systems for removing & treating effluent.*	*Paul Hughes & Stephan Tait*
	Visit to a large commercial piggery	*Paul Hughes*
Thursday, January 22	Pig carcasses/meat • *Types of pig sold.* • *The slaughter process.* • *Grading pig carcasses.* • *Production of top grade carcasses.* • *Meat quality & marketing*	*Paul Hughes* *Heather Channon*
	The commercial realities of running a large piggery	*Rod Hamann*
Friday, January 23	Visit to Big River Pork abattoir	*Paul Hughes*
	Piggery consultancy assignment tutorial	*Paul Hughes*



