

APPLIED SUSTAINABLE RANCHING PROGRAM



Schedule for Coursework

First Year Program	Course Date	Credits	Instructor
ASUR 1010 Residency Week—Ranch Tours	Last Week in August	2	Gillian Watt
ASUR 1040—Applied Skills and Diversification	Sept 1–Nov 30	10	
Berries and Small Fruits			Gillian Watt/Lynda Archibald
Fencing *			Keith Jones
Stock Dog Training and Equip Maintenance *			Lorne Landry/Lynn Bonner
Stockmanship/Low Stress Cattle Handling & Ranching Skills Competition*			Kurt Pate/Gord Colliar
Vegetables, Landscape Hortic.			Gillian Watt/Rob Borsato
Farm Store and Secondary Processing			Gillian Watt/Horstings Farm
Pasture Poultry and Pork			Gillian Watt/Andrea Gunner/Big Bear Ranch
Humane Animal Care & Market Revelance			John Church
Greenhouse Production			Gillian Watt/Frank Wijma
Development and Implementation of Farm/Ranch Safety Plan			Reg Steward
Investigating Viability: Conducting on Farm Research			Catherine Tarasoff
Designing Fences, Handling Systems and Flights Zones			John Church
ASUR 1020—Business Enterprise	Feb 1– April 30	10	
Business Strategy			Gillian Watt
Financial Management and Enterprise Accounting			Gillian Watt
Finance (structuring your asset needs)			Gillian Watt
Marketing and Logistics			Gillian Watt
Human Resources and seasonal staff			Gillian Watt
Balancing family and ranch & leadership succession			David Zirnhelt
Land Resources—BC Governance, Aboriginal Rights and Title			David Zirnhelt
Communication, conflict resolution and crisis management			
ASUR 1030—Environmentally Sustainable Ranching	May 1–July 30	10	Gillian Watt
Biodiversity			Tom Dickinson
Wildlife interactions and Predators			David Zirnhelt
Soil Health			Shel Myers
Practical Applications of Building Soils with Organics			Rob Borsato
Watershed & Riparian Systems			Lee Hesketh
Invasive Species			Bob Drinkwater
Range Ecology			Percy Folkard
Grazing Management			Percy Folkard
Urban Agriculture Interface			David Zirnhelt
Medicinal Plants and Traditional Use Areas			Cecilia Derose/Brenda Walkem
3 year range and pasture plan for entire ranch and grazing lands			Gillian Watt

Second Year Program	Course	Credits	Instructor
ASUR 2010 Beef Production	Sept 1–Oct 15	6	
Nutrition Through the Life Cycle			Grant Huffman/I and T Johnston
Herd Health			T Johnston
Genetics and Breeding Management			T Johnston
Conventional Marketing Options and Industry Organizations			T Johnston
Grass-fed Beef Finishing, Processing and Sales Enterprises			Gillian Watt
ASUR 2020 Sheep (and Goat) Production	Oct 16–Nov 30	6	
Facilities, Breeds and Overview of Targetted Browsing Industry			Gillian Watt/Jeannette Hall
Flock Nutrition			Woody Lane/G Watt
Flock Health and Parasitology			Stephanie Krumsiek/G Watt
Goats as an enterprise for Biological Weed Control			Conrad Lindblom/G Watt
Enterprise Analysis—Grass-fed Lamb Finishing, Processing and Sales			Gillian Watt
Field Trip to Avaley Ranch and Predator Verification Training			Gillian Watt
ASUR 2030 Winter Feed Production	Jan 15–Feb 30	5	
Role of Forage in Sustainable Food Production			Greg Tegart
Plant Growth and Responses to Defoliation			Greg Tegart
Harvesting and Storage Methods			Greg Tegart
Irrigation System Design and Use			Greg Tegart
Soil Health and Fertility			Greg Tegart
Stand or Crop Renovation and Pasture Management			Greg Tegart
ASUR 2040 Soft Adventure and Agri-tourism	March 1–April 15	5	
Introduction to Tourism			Peter Larose
Marketing			Peter Larose
Product Development and Experience Creation			Peter Larose
People and Communications in Tourism			Peter Larose
Tourism Business Strategy			Peter Larose
Applied Project			Peter Larose
ASUR 2050 Final Project —Business and Operations Plan	April 15–May 31	6	Gillian Watt