

# GRAIN SCIENCE

## GRADUATE COURSES

### FALL

GRSC584	Milling Process Technology Management
GRSC602	Cereal Science
GRSC620*	Extrusion Processing in the Food & Feed Industries
GRSC630	Management Applications in the Grain Processing Industries
GRSC635	Baking Science I (GRSC535 in F14)
GRSC636	Baking Science I Lab (GRSC536 in F14)
GRSC645**	Pet Food Processing
GRSC646**	Pet Food Processing Lab
GRSC656	Pneumatic Conveying of Dry Solids
GRSC691	Faculty-Led Study Abroad
GRSC740*	Biomaterial Processing
GRSC790	Problems in Grain Science - MS
GRSC815**	Fundamentals of Processing Grain for Food
GRSC820**	Advanced Extrusion Processing
GRSC899	MS Research (6-8 hours total)
GRSC900	Graduate Seminar in Grain Science
GRSC905*	Enzyme and Bioprocessing Applications
GRSC910	Topics in Grain Science - PhD
GRSC915**	Advanced Cereal Chemistry
GRSC999	PhD Research (30 hours total)

\*Offered in EVEN years only

\*\*Offered in ODD years only

*500-level supporting courses are restricted to 6 credit hours.*

### SPRING

GRSC560	Electricity and its Control for the Grain Processing Industries
GRSC580	Advanced Flow Sheets
GRSC601	Practicum in Bakery Technology
GRSC625	Flour & Dough Testing
GRSC637	Baking Science II (GRSC537 in SP15)
GRSC638	Baking Science II Lab (GRSC538 in SP15)
GRSC651	Food & Feed Product Protection
GRSC655	Cereal Food Plant Design & Construction (GRSC555 in SP15)
GRSC661	Quality Feed Ingredients
GRSC670	Bakery Layout
GRSC688	Feed Technology II (GRSC512 in SP15)
GRSC689	Feed Tech. II Lab (GRSC513 in SP15)
GRSC691	Faculty-Led Study Abroad
GRSC712	Vibrational Spectroscopic Analysis & Chemometrics
GRSC713	Contemporary Chromatographic Analysis of Food
GRSC745*	Fundamentals of Bioprocessing
GRSC786**	Particle Technology for Solids Handling and Processing (SP15)
GRSC790	Problems in Grain Science - MS
GRSC830*	Physical Properties of Cereal Polymers
GRSC840*	Advanced Grain Processing Technology (SP14)
GRSC899	MS Research (6-8 hours total)
GRSC901*	Starch Chemistry & Technology
GRSC902**	Carbohydrates in Food
GRSC910	Topics in Grain Science - PhD
GRSC920**	Professional Development in Grain Science
GRSC999	PhD Research (30 hours total)