

University of Idaho Library
Collection Management Policy
for the
Department of Forest, Rangeland, and Fire Sciences

I. General Purpose:

The Liaison to the College of Natural Resources (CNR) is the primary library employee responsible for collecting on behalf of the Department of Forest, Rangeland and Fire Sciences (FRFS). The purpose of the collection is to support instruction and research from the undergraduate through the doctoral level, including post-doctorate and faculty research. This document is intended to give an overview of the department and the expected scope of the collections.

II. College History:

Professional education leading to a degree in forestry began at the University of Idaho in 1909. To the initial curriculum in forest resources have been added those in forest products (1914), range resources (1917), wildlife resources (1942), fishery resources (1951), resource recreation and tourism (formerly wildland recreation management) (1974), ecology and conservation biology (1999), and fire ecology and management (2007).

Dates	College Name	Department Name Changes				
1909-1917	No College/School; Programs Administered by Individual Departments					
1918-1953	School of Forestry					
1954-1962	College of Forestry					
1963-1974	College of Forestry, Wildlife and Range Sciences	Forest Resources	Range Resources	Wood Utilization Technology		Fish and Wildlife Resources
1974-1990	"	"	"	Forest Products	Wildland Recreation Management	"
1990-1999	"	"	"	"	Resource Recreation and Tourism	"
2000	College of Natural Resources	"	"	"	"	"
2001-2005	"	"	Rangeland Ecology & Management	"	"	"
2006-2007	"	"	"	"	Conservation Social Sciences	"
2008-2011	"	Forest Ecology and Biogeosciences		Conservation Social Sciences (incl. Forest Products)		"
2012-	"	Forest, Rangeland, and Fire Sciences (incl. Renewable Materials (formerly Forest Products))			Conservation Social Sciences	Fish and Wildlife Resources

- III. **University of Idaho Forest, Range, and Fire Sciences Department and Programs:** Programs in the FRFS Department are intended to provide a high-quality general education and the professional knowledge of significant concepts, multiple use principles, social factors, and technical details of forest and rangeland biology, ecology, measurements, management, and social science to effectively manage forest and rangeland resources.

Degrees and Certificates:

- Fire Ecology and Management (B.Sc.)¹
- Fire Ecology, Management and Technology Certificate
- Renewable Materials (B.Sc.)²
- Forest Resources (B.Sc.)³
- Rangeland Ecology & Management (B.Sc.)⁴
- Restoration Ecology Certificate (Grad)
- Fire Ecology and Management Certificate (Grad)
- Master of Science (M.Sc.)
- Master of Natural Resources (MNR)
- Doctorate in Natural Resources (Ph.D.)

Undergraduate Core Curriculum (all CNR):

- NR 101 – Exploring Natural Resources (1 cr)
- For/REM 221 [Principles of] Ecology (3 cr)
- CSS/For 235 Society & Natural Resources (3 cr)
- For 375 Introduction to Spatial Analysis for Natural Resources Management (3 cr)
- CSS 383 Natural Resource and Ecosystem Services Economics (3 cr)

Research facilities, partnerships, and formalized groups:

- Center for Forest Nursery and Seedling Research
- Biomaterials Laboratory
- Conservation and Ecological Genetics Laboratory
- Experimental Forest
- Extension Forestry
- Forest and Rangeland Measurements Laboratory
- Forest Operations Research Lab
- Geospatial Laboratory for Environmental Dynamics
- Idaho Stable Isotopes Laboratory
- Inland Empire Tree Improvement Cooperative (IETIC)
- Intermountain Forest Tree Nutrition Cooperative (IFTNC)
- Rangeland Center
- Stillinger Herbarium
- Wildland Hydrology and Watershed Management

All CNR faculty contribute to the Idaho Forest, Wildlife and Range Experiment Station.

¹ Accredited by the Association for Fire Ecology (AFE)

² Accredited by the Society for Wood Science and Technology

³ Accredited by the Society of American Foresters (SAF)

⁴ Accredited by the Society for Range Management (SRM)

IV. **Subject Boundaries:**

Forest sciences collections cover:

- conservation genetics
- forestry – history, policy, and practice
- forest ecosystem management and analysis
- silviculture
- forest/tree genetics and pathology
- forest hydrology
- environmental remote sensing, incl. airborne sensor development
- plant systematics and dendrology
- soils and below-ground processes

Rangeland sciences collections cover:

- arid lands ecology, incl. desert, steppe
- range management
- restoration ecology
- rangeland ecology, incl. all types of rangelands
- plant-animal interactions
- grazing management
- ecophysiology

Wildland fire sciences collections cover:

- fire effects and recovery
- fire behavior
- fuels management
- biophysical controls of fire
- fire regimes
- air quality and smoke management
- fire history
- fire ecology
- remote sensing for wildland fire management

Renewable materials collections cover:

- renewable materials technology
- renewable materials anatomy and properties
- green chemistry
- polymer science and engineering
- biofuels, bioenergy, biocomposites
- composite materials
- lignocellulosic biomass chemistry
- primary wood products manufacturing
- wood deterioration and protection

- biomaterial product and process development
- product development and brand management of renewable materials

All collections cover in some aspect:

- community & landscape ecology
- environmental/ecosystem modeling
- global environmental change/climate science
- biogeochemical cycles

V. **General Collection Guidelines:**

Linguistic:

Collected materials will primarily be in English.

Geographic:

The collections will be exhaustive for Idaho. Emphasis beyond is on the Western US, with decreasing emphasis outwards. Materials covering other continents will be collected on a general level to maintain diversity of material.

In the case of wildland fire sciences, all geographic areas are considered priority.

Chronological:

Due to the historic nature of the UI collections and the doctoral/research research level of the department, collections will be maintained with minimal weeding for archival purposes. Items superseded by newer editions will be replaced, particularly in the case of textbooks.

Formats:

- For journal collections, electronic formats are preferred unless print is the only option, or the print has archival value (e.g. state or local publications).
- For books, electronic formats are preferred unless print is the best option to maintain ownership of the material.
- For reference materials, electronic format is preferred unless print is the only option.

VI. **Specific Collection Guidelines:**

Theses and dissertations from other institutions will not be purchased due to UI's subscription to the Dissertations and Theses Full-text database.

Textbooks will not be purchased if new editions are produced on an annual or within a five-year basis.

VII. **Other Resources Available**

Several database subscriptions are considered particularly important, including:

- Web of Science/Science Citation Index [Thomson Reuters]
- CABDirect [CABI International]
- Environmental Sciences and Pollution Management [Proquest]
- BioOne.1 [Bioone]

- Annual Reviews [Annual Reviews]
- ScienceDirect [Elsevier]
- JSTOR & JSTOR Plant Science [JSTOR]
- Dissertations and Theses Full-text [Proquest]
- SciFinder & ACS Publications [American Chemical Society]
- GeoRef [Proquest]

VIII. **Cross References to Other Collection Areas:**

1. Fish and Wildlife Resources
2. Conservation Social Sciences
3. Plant, Soil and Entomological Sciences
4. Chemical and Materials Engineering
5. Geology
6. Geography
7. Biological and Agricultural Engineering
8. Biology
9. Statistics
10. Landscape Architecture

IX. **Creation Date:**

January 22, 2013

X. **Revision History:**

Version 1.0.0

XI. **Library Of Congress Classifications**

Resources for this department are distributed throughout the LC Classifications, but forest-related works are in the SD range, remote sensing in the GEs and ecosystem and ecology in the QHs.

Description	Call # Areas
GIS and remote sensing.	G70-70.6
Fire Ecology.	QH545.F5
Forestry (General).	SD 1-131
History of Forestry.	SD131-247.5
Forestry Education.	SD 250-363.3
Forestry. Various aspects (including carbon sequestration, decision making, aerial photography, private forests, etc.)	SD 387

Fire Management in forestry, incl. prescribed burning	SD 387.F52
Forestry Machinery and Engineering. Forest Roads.	SD 388-89
Forest Soils	SD 390-390.43
Forest Meteorology	SD 390.5-390.7
Silviculture	SD 391-410.9
Forest conservation and Protection.	SD 411-419,422-428
Fire. Forecasting. Equipment and supplies. Data processing and models. Grassland fires.	SD 420-421
Forest exploitation and utilization	SD 430-559
Forest administration. Policy.	SD 561-669.5
Chemical Technology	TP1-1185
Wood	TP324
Biomass	TP339

- XII. **Liaison/Bibliographer:**
Jeremy Kenyon, 2010-present