

Developing a Practice of Representation for Women Athletes in OSU Digital Collections

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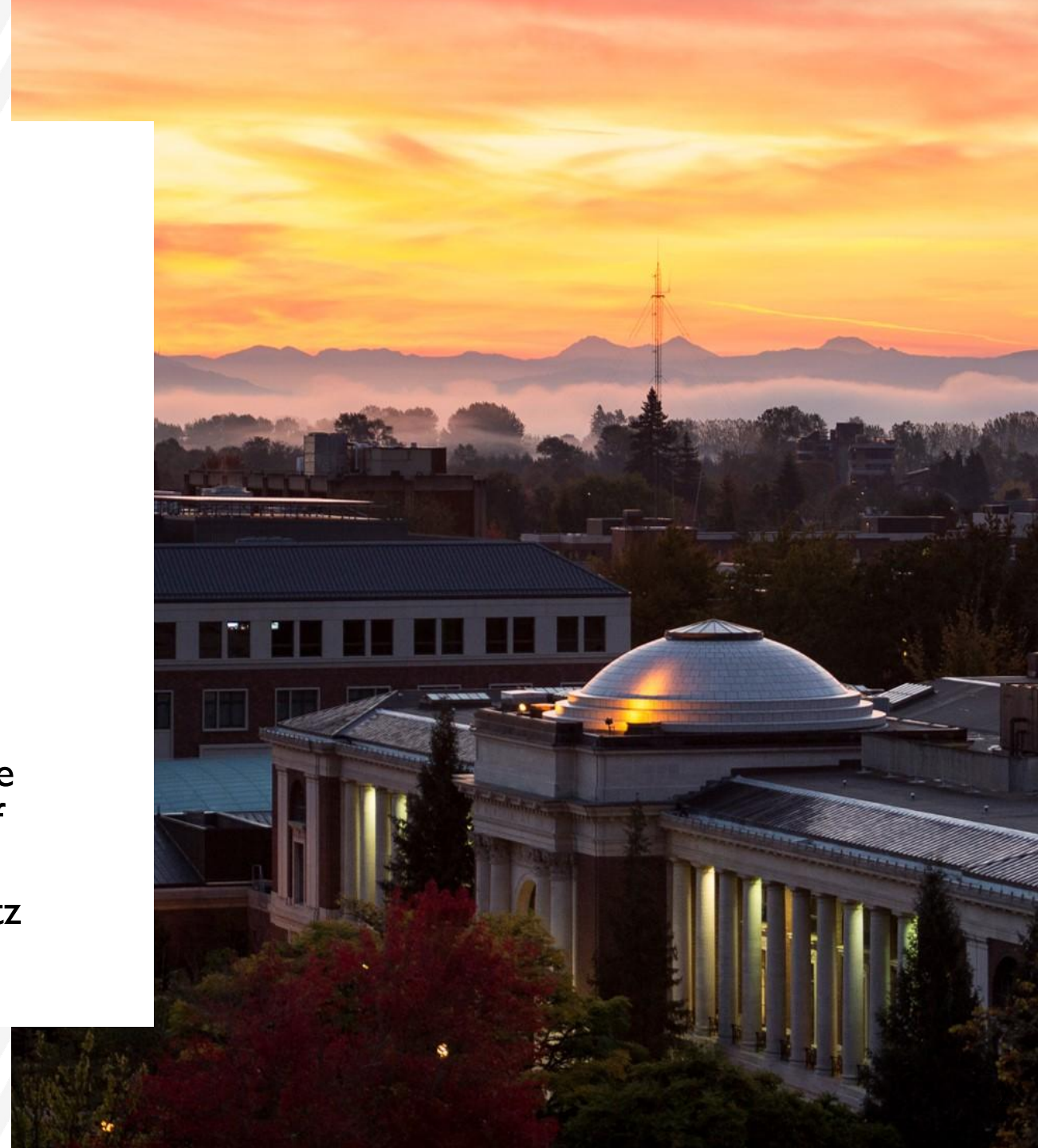
DLF Forum 2022
October 12, 2022
Baltimore, MD





Land Acknowledgment

Oregon State University in Corvallis, Oregon, is located within the traditional homelands of the Mary's River or Ampinefu Band of Kalapuya. Following the Willamette Valley Treaty of 1855, Kalapuya people were forcibly removed to reservations in Western Oregon. Today, living descendants of these people are a part of the Confederated Tribes of Grand Ronde Community of Oregon and the Confederated Tribes of the Siletz Indians.



Credits

People:

- Kevin Jones, Metadata Technician
- Cara Key, Metadata Librarian
- Chris Petersen, Archivist
- Ryan Wick, Analyst Programmer

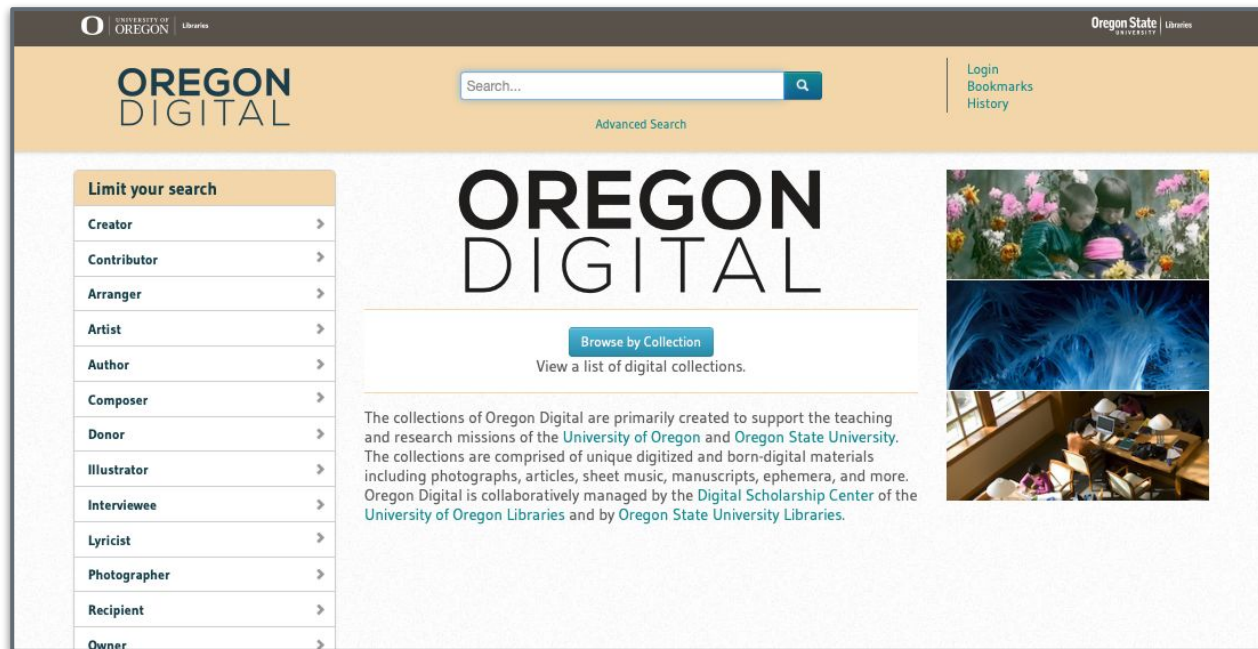
Timeline:

- Issue identified – February 2022
- Phase One, Sports Media Guides – March 2022
- Phase Two, other OSU collections – coming soon

Tech:

- Oregon Digital - <https://www.oregondigital.org/>
- Opaque Namespace - <https://opaquenamespace.org/>
- Library of Congress Subject Headings (LCSH)
- Google Sheets
- Github

Oregon Digital

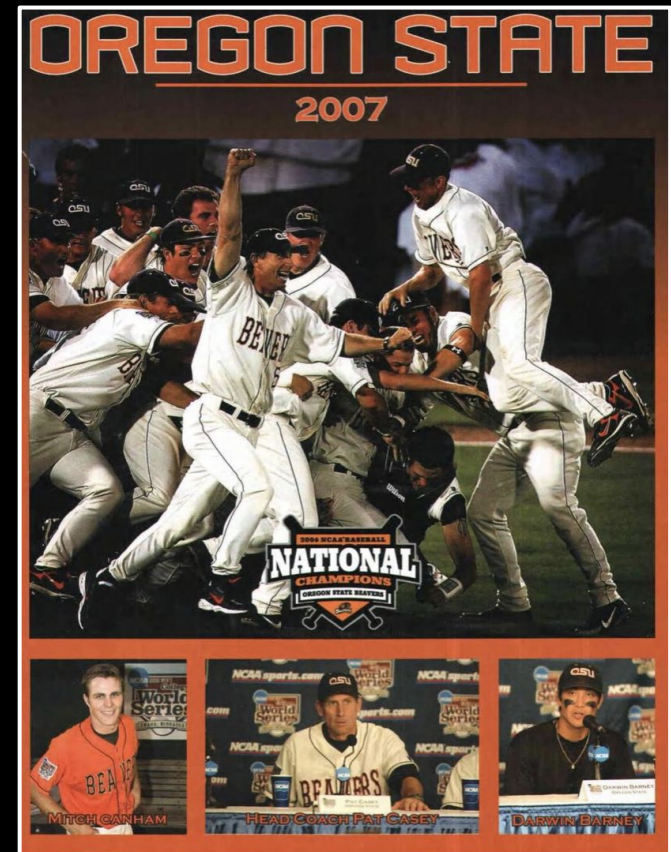
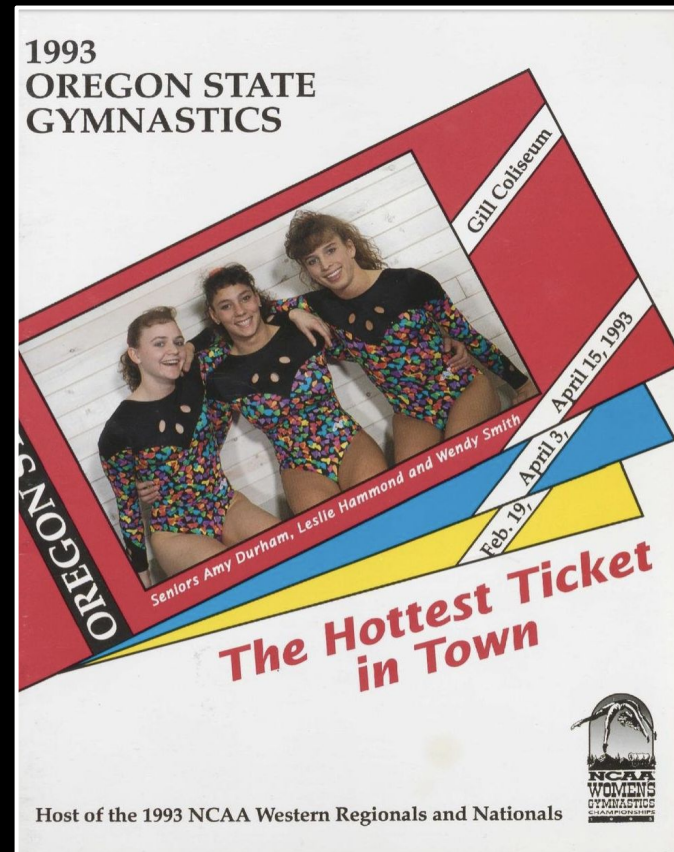


<https://www.oregondigital.org/>

- Historical and cultural digital collections repository
- Shared by Oregon State University and University of Oregon
- > 500,000 assets
- Linked open data
- Open source Samvera system
- Re-launching on Hyrax in 2023

OSU Sports Media Guides Digital Collection

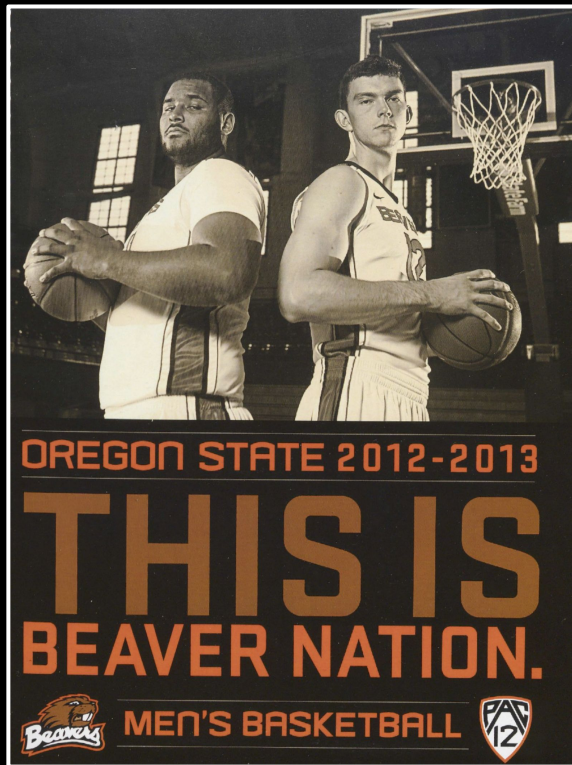
<https://oregondigital.org/sets/osu-sports-media-guides>



Gender Inequality in Titles

Title:

2012-2013 Oregon State University
Basketball Media Guide



Title:

2012-2013 Oregon State University
Women's Basketball Media Guide



OSU Sports Media Guides – Subjects

The screenshot shows the Oregon State Digital Library interface. On the left, a 'Limit your search' sidebar lists various sports. The 'Topic' filter is expanded, showing counts for each sport. Two callout boxes highlight 'Basketball' with a count of 60 and 'Basketball for women' with a count of 37. The background shows a search bar, the 'OREGON STATE DIGITAL' logo, and a preview of a 'Football Media Guide, 1968'.

Topic	Count
Football	89
Baseball	88
Basketball	60
Golf	52
Track and field	43
Wrestling	41
Rowing	38
Basketball for women	37
Softball	33
Tennis	32

more »

Work Type >

Region >

Rights >

License >

Local Collection Name >

Type >

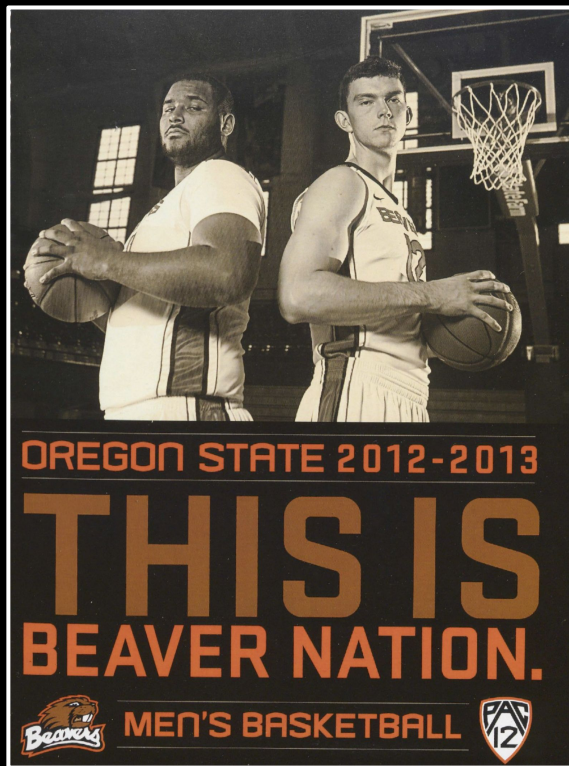
Basketball 60

Basketball for women 37

Football Media Guide, 1968

Gender Inequality in Subjects

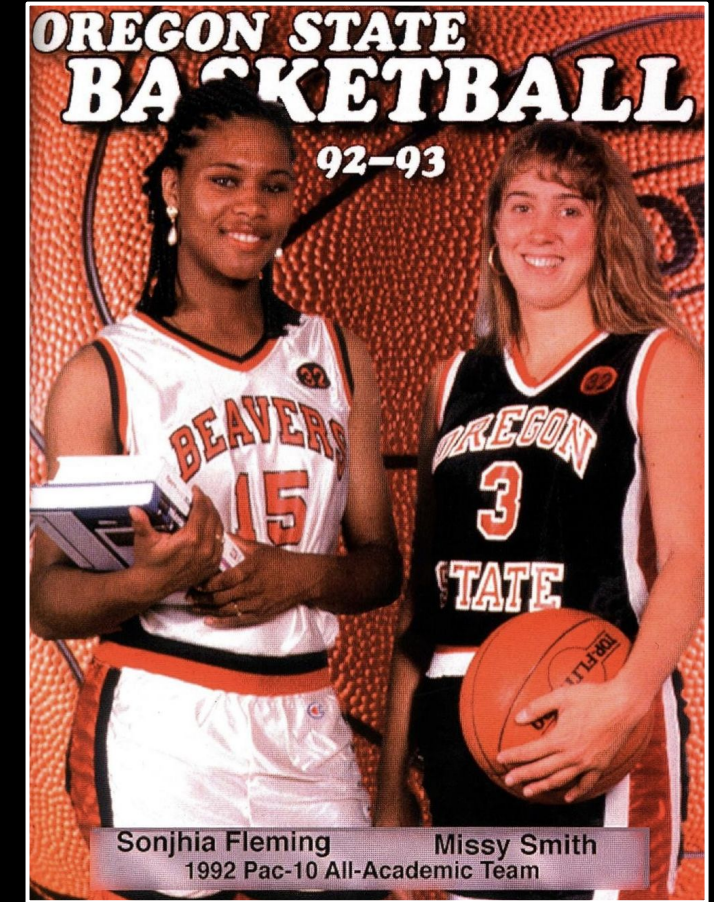
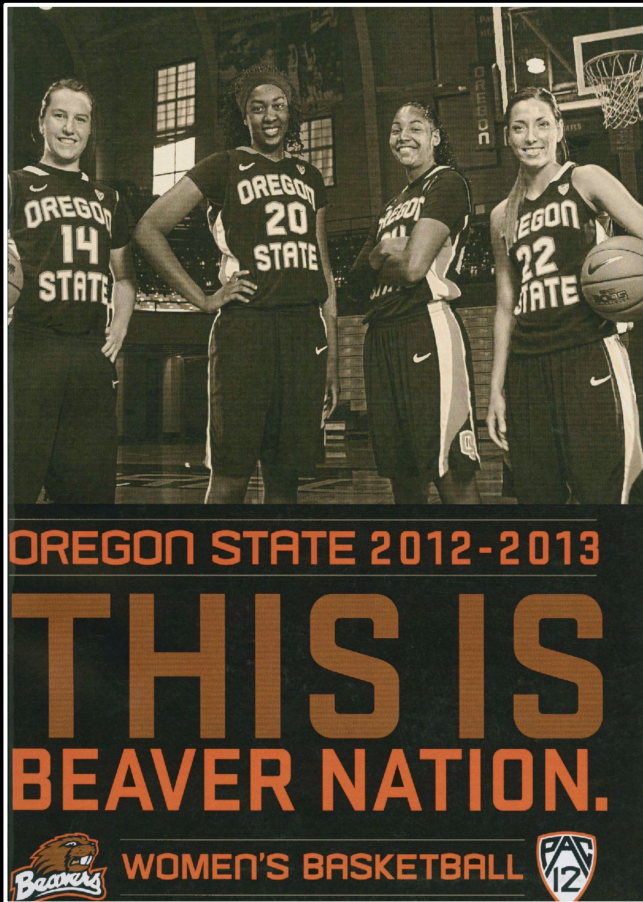
Subject:
Basketball



Subject:
Basketball for Women



Not “Basketball”



A New Gender-Equitable Description Policy

(With rare exceptions...)


1. All OSU Sports Media Guides will include the team's gender in the title
2. All OSU Sports Media Guides will include subject terms indicating:
 - a. *Generic sport* (e.g. "Basketball")
 - b. *Gender + sport* (e.g. "Basketball for women")
 - c. *Gender + "College sports"* (e.g. "College sports for women")


Implementing the Policy Change: Metadata Remediation



Controlled Vocabularies

12





[Advanced Search](#)

[Login](#)
[Bookmarks](#)
[History](#)

Controlled Vocabularies

This lists all of the controlled vocabularies configured in Oregon Digital. They group together **vocabularies** already defined, and when specified on a property, control what vocabularies are usable.

Controlled Vocabulary Term	Usable Vocabularies
OregonDigital::ControlledVocabularies::Creator	lcnames, uonames, creator, dummycreator, ulan, people, wikidata, osuacademicunits
OregonDigital::ControlledVocabularies::Subject	lcsh, lcnames, tgm, aat, subject, lc_orgs, creator, people, itis, ubio, osubuildings, wikidata, ulan, lcggenreforms, osuacademicunits
OregonDigital::ControlledVocabularies::StylePeriod	styleperiod, aat, lcsh
OregonDigital::ControlledVocabularies::WorkType	aat, worktype, lcsh, tgm
OregonDigital::ControlledVocabularies::Ethnog	afs_ethn
OregonDigital::ControlledVocabularies::Geographic	geonames, tfddbassins

LCSH Available Terms

Generic Term	[Sport] For Women	[Sport] For Men
College sports	College sports for women	
Baseball	Baseball for women	
Basketball	Basketball for women	
Cross-country running		
Football	Football for women	
Golf	Golf for women	
Gymnastics	Gymnastics for women	Gymnastics for men
Rowing		
Soccer	Soccer for women	
Softball	Softball for women	
Swimming	Swimming for women	
Tennis		
Track and field	Track and field for women	
Volleyball	Volleyball for women	
Wrestling		

Gender bias in LCSH

Broader Terms

- Sports for women



[The Library of Congress](#) > [Linked Data Service](#) > [LC Subject Headings \(LCSH\)](#)

Basketball for women

URI(s)

- <http://id.loc.gov/authorities/subjects/sh85012121>
- <info:lc/authorities/sh85012121>
- <http://id.loc.gov/authorities/sh85012121#concept>

Instance Of

- MADS/RDF Topic
- MADS/RDF Authority
- SKOS Concept [↗](#)

Scheme Membership(s)

- Library of Congress Subject Headings

Collection Membership(s)

- LCSH Collection - Authorized Headings
- LCSH Collection - General Collection
- LCSH Collection - May Subdivide Geographically

Broader Terms

- Sports for women

Closely Matching Concepts from Other Schemes

[Basket-ball féminin](#) [↗](#)

[Basketball for women](#) [↗](#)

Gender bias in LCSH

Broader Terms

- **Gymnastics**

LIBRARY

LIBRARY
OF CONGRESS

The Library of Congress > Linked Data Service > LC Subject Headings (LCSH)

Gymnastics for men

URI(s)

- <http://id.loc.gov/authorities/subjects/sh85058063>
- <info:lc/authorities/sh85058063>
- <http://id.loc.gov/authorities/sh85058063#concept>

Instance Of

- MADS/RDF Topic
- MADS/RDF Authority
- SKOS Concept 

Scheme Membership(s)

- Library of Congress Subject Headings

Collection Membership(s)

- LCSH Collection - Authorized Headings
- LCSH Collection - General Collection
- LCSH Collection - May Subdivide Geographically

Variants

- Men's gymnastics

Broader Terms

- Gymnastics

Closely Matching Concepts from Other Schemes

Wikidata Available Terms

Generic Term	Women's [Sport]	Men's [Sport]
College sports		
Baseball	women's baseball	men's baseball
Basketball	women's basketball	men's basketball
Cross-country running	women's cross country running	men's cross country running
Football	women's American football	men's American football
Golf	women's golf	men's golf
Gymnastics	women's gymnastics	
Rowing	women's rowing	men's rowing
Soccer	women's association football	men's association football
Softball		
Swimming		
Tennis	women's tennis	men's tennis
Track and field	women's athletics	men's athletics
Volleyball	women's volleyball	men's volleyball
Wrestling	women's wrestling	

Filling in Gaps with Opaque Namespace

- Opaque Namespace: OSU's local controlled vocabulary management system
- Created 15 new gender-plus-sport terms
- Mirrored LCSH formatting, e.g. "Basketball for men"
- Used "Same As" linkages to Wikidata terms

These terms are freely available as linked open data at <http://opaquenamespace.org>.

The screenshot shows the website opaquenamespace.org. The main heading is "Basketball for men". Below it is the URL <http://opaquenamespace.org/ns/subject/B> and a link "Return to Vocabulary". The page contains a table of metadata for the term "Basketball for men".

Type:	Topic
Label:	Basketball for men English [en]
Alternate Name:	Men's basketball English [en]
Archival Resource Key (ARK):	
Local Web URL / Identifier:	
Date:	
Comment:	Basketball practiced by men. English [en]
Is Replaced By:	
See Also:	
Is Defined By:	
Same As:	http://www.wikidata.org/entity/Q46343203
Modified:	2022-03-08
Issued:	2022-03-08

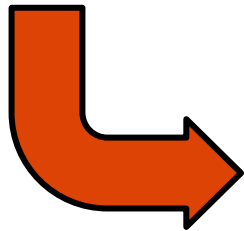
Quick Lookup Sheet

Green shaded "College sports for [gender]" terms should be applied to all works as appropriate

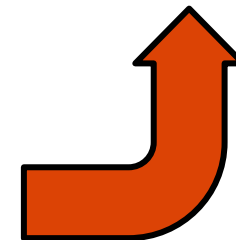
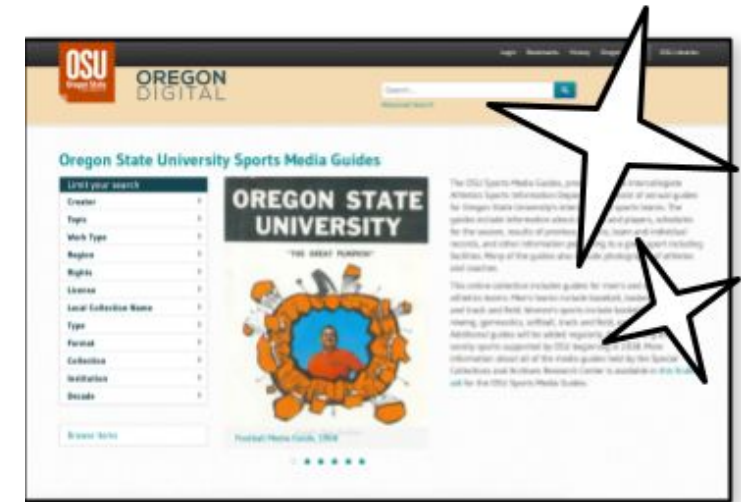
Grey shading indicates an OSU intercollegiate team is not listed for this gender in either the OSU Sports Media Guides or OSU Athletics collection d

Generic Sports Terms		Women's Sports Terms		Men's Sports Terms	
Label	URI	Label	URI	Label	URI
-	-	College sports for women	http://id.loc.gov/authc	College sports for men	http://opaquenamesp
Baseball	http://id.loc.gov/authc	Baseball for women	http://id.loc.gov/authc	Baseball for men	http://opaquenamesp
Basketball	http://id.loc.gov/authc	Basketball for women	http://id.loc.gov/authc	Basketball for men	http://opaquenamesp
Cross-country running	http://id.loc.gov/authc	Cross-country running for	http://opaquenamesp	Cross-country running for men	http://opaquenamesp
Football	http://id.loc.gov/authc	Football for women	http://id.loc.gov/authc	Football for men	http://opaquenamesp
Golf	http://id.loc.gov/authc	Golf for women	http://id.loc.gov/authc	Golf for men	http://opaquenamesp
Gymnastics	http://id.loc.gov/authc	Gymnastics for women	http://id.loc.gov/authc	Gymnastics for men	http://id.loc.gov/authc
Rowing	http://id.loc.gov/authc	Rowing for women	http://opaquenamesp	Rowing for men	http://opaquenamesp
Soccer	http://id.loc.gov/authc	Soccer for women	http://id.loc.gov/authc	Soccer for men	http://opaquenamesp
Softball	http://id.loc.gov/authc	Softball for women	http://id.loc.gov/authc		
Swimming	http://id.loc.gov/authc	Swimming for women	http://id.loc.gov/authc	Swimming for men	http://opaquenamesp
Tennis	http://id.loc.gov/authc	Tennis for women	http://opaquenamesp	Tennis for men	http://opaquenamesp
Track and field	http://id.loc.gov/authc	Track and field for women	http://id.loc.gov/authc	Track and field for men	http://opaquenamesp
Volleyball	http://id.loc.gov/authc	Volleyball for women	http://id.loc.gov/authc		
Wrestling	http://id.loc.gov/authc			Wrestling for men	http://opaquenamesp

Batch Updates



pId	title	lcs subject1_extant	lcs subject2_add_label
oregonidat:fx71ba778	1991-1992 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71bh61q	1984-1985 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba54p	1994-1995 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba29m	2015-2016 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71bh73h	2001-2002 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba5d3	1981-1982 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba53p	1982-1983 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba72w	1990-1991 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba70b	1989-1990 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba54z	1983-1984 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba25q	2012-2013 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ck16g	2017-2018 Oregon State University Women's Basketball Postseason Prospectus	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71bh77m	2005-2006 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71d4886	2018-2019 Oregon State University Women's Basketball Postseason Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71d486n	2019-2020 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71d487x	2018-2019 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71d2235	2004-2005 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71d119k	2003-2004 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71ba587h	2009-2010 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71b335z	1997-1998 Oregon State University Women's Basketball Media Guide	Basketball for women (http://id.loc.gov/authorities/subjects/ah85012121)	Basketball
oregonidat:fx71cv741	2009 Oregon State University Men's Baseball Season in Review	Baseball (http://id.loc.gov/authorities/subjects/ah85012026)	Baseball for men
oregonidat:fx71bh98b	2007 Oregon State University Men's Baseball Media Guide	Baseball (http://id.loc.gov/authorities/subjects/ah85012026)	Baseball for men
oregonidat:fx71b930k	2011 Oregon State University Men's Baseball Media Guide	Baseball (http://id.loc.gov/authorities/subjects/ah85012026)	Baseball for men
oregonidat:fx71bh40x	1985 Oregon State University Men's Baseball Media Guide	Baseball (http://id.loc.gov/authorities/subjects/ah85012026)	Baseball for men
oregonidat:fx71q37r	1983 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women
oregonidat:fx71q381	1984 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women
oregonidat:fx71q36g	1982 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women
oregonidat:fx71q34x	1980-1981 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women
oregonidat:fx71q32c	1978 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women
oregonidat:fx71q302	1986 Oregon State University Men's and Women's Cross Country Media Guide	Cross-country running (http://id.loc.gov/authorities/subjects/ah90004401)	Cross country running for women



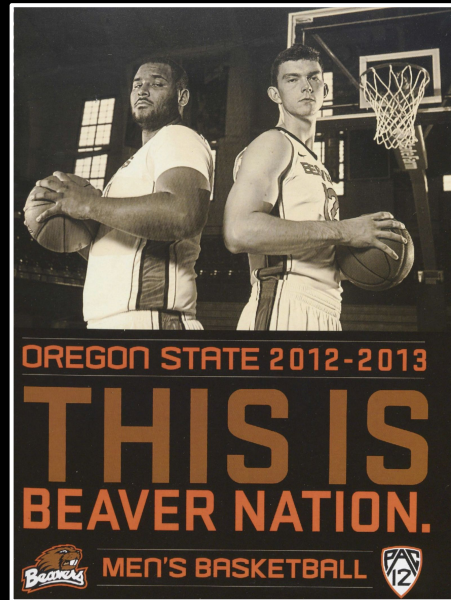
Checking Our Work

Title:

2012-2013 Oregon State University
Men's Basketball Media Guide

Subjects:

Basketball;
Basketball for men
College sports for men

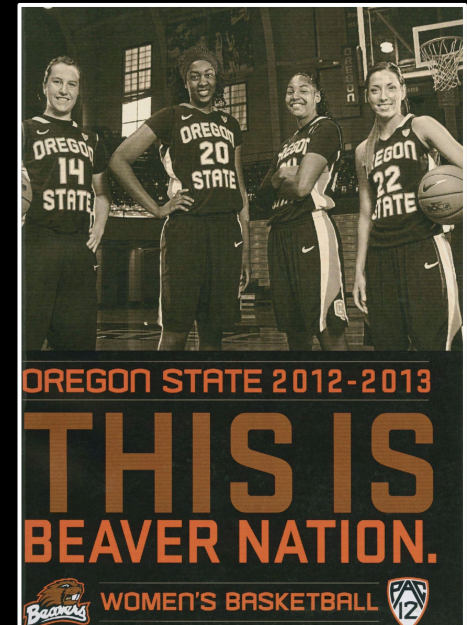


Title:

2012-2013 Oregon State University
Women's Basketball Media Guide

Subjects:

Basketball
Basketball for women
College sports for women



OSU Sports Media Guides – Subjects, Revisited

OREGON DIGITAL	
te Universit	
	372
men	214
	97
	89
	89
	89
	89
	60
	52
	43
more »	
ame	

Topic	
Baseball for men	89
Baseball	89
Basketball for men	60
Basketball for women	37
Basketball	97
College sports for men	372
College sports for women	214
Cross-country running for men	17
Cross-country running for women	15
Cross-country running	23
Football for men	89
Football	89
Golf for men	41
Golf for women	17
Golf	52
Gymnastics for women	30
Gymnastics	30
Rowing for men	29
Rowing for women	26
Rowing	38

[« Previous](#) [Next »](#)

[A-Z Sort](#) [Numerical Sort](#)

The Upshot

- Improves representation for women athletes by confirming their participation in “real” sports
- Increases discoverability of women’s teams’ guides
- Addresses and reduces the “default” position of men athletes
- Focuses on meeting users’ needs and expectations
- Maintains consistency in metadata descriptions

Thank you!



Sports media guides' cover images copyright Oregon State University Athletics Department, used to represent the original material under the terms of a Creative Commons license. List of media guide cover images:

- Oregon State College, Athletic News Bureau. (1957). *1957 Rose Bowl Press Book*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71bq520>
- Oregon State University, Sports Information Department. (1978). *1978-1979 Oregon State University Women's Intercollegiate Athletics Media Guide*.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71cj71b>
- Oregon State University, Sports Information Department. (1992). *1992-1993 Oregon State University Women's Basketball Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71bs81v>
- Oregon State University, Sports Information Department. (1993). *1993 Oregon State University Women's Gymnastics Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71cg64h>
- Oregon State University, Sports Information Department. (2003). *2003-2004 Oregon State University Women's Basketball Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71bt19k>
- Oregon State University, Sports Information Department. (2007). *2007 Oregon State University Men's Baseball Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71bh98c>
- Oregon State University, Sports Information Department. (2012). *2012-2013 Oregon State University Men's Basketball Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71cf84s>
- Oregon State University, Sports Information Department. (2012). *2012-2013 Oregon State University Women's Basketball Media Guide*. Oregon Digital.
<https://oregondigital.org/sets/osu-sports-media-guides/oregondigital:fx71bt25q>

With tremendous appreciation to the OSU student athletes whose likenesses were featured.

Want to follow up? Contact cara.key@oregonstate.edu.