

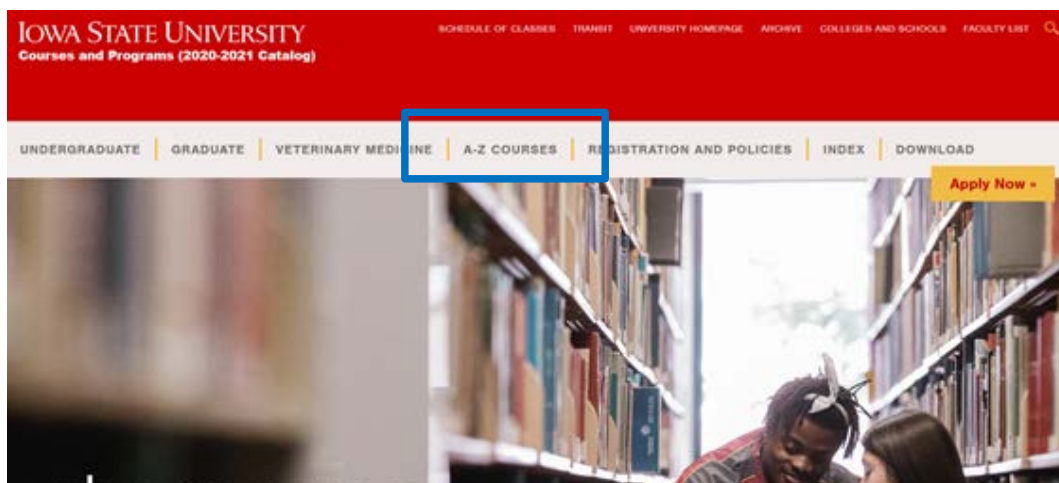
Courses on the Catalog vs. ADIN Catalog and Course Offerings

Catalog (sometimes referred to as CAT) is the online Catalog that houses College overview, majors, minors, curriculum, policies, course information from Course Inventory Management (CIM), and more.

Courses listed in the Catalog are all permanent courses approved by the College. Not all courses listed in the Catalog are offered each term or catalog year. The Schedule of Classes will provide the approved course offerings being offered each term. Experimental courses approved by the College are housed in the Experimental Course Listing on the Office of the Registrar website. Experimental courses and course offerings do not roll to the next catalog. Departments must recirculate the course and request course offerings for the next catalog.

CourseLeaf Catalog

A-Z courses are populated using Course Inventory Management (CIM). See the following images to see the data and how it presents itself in the Catalog.



Course Inventory Management (CIM) and Catalog (CAT) A-Z Courses

CIM holds course information and the history of editing courses. The course information from CIM is then formatted to A-Z Courses in the Catalog (CAT). See the next image and the data in CIM and how A-Z Courses formats the course information.

Course Inventory Management (CIM)

Viewing: [GEOL 452](#) / [GEOL 552](#) / [AGRON 452](#) / [AGRON 552](#) / [ENSCI 452](#) / [ENSCI 552](#)

[Edit Course](#)

GIS for Geoscientists

[Preview Workflow](#)

Last approved: 08/30/19 12:18 pm

Last edit: 04/15/19 9:40 am

Catalog Pages referencing this course	AGRON 452: Agronomy Agronomy (AGRON) AGRON 552: Agronomy
College	Liberal Arts and Sciences
Department	GEOL - Geology
Course Number	452
Catalog Year	2020
Title	GIS for Geoscientists
Editing Department/ Unit	GEOL - Geology
Dual Listed Courses	AGRON 552 ENSCI 552 GEOL 552
Cross Listed Courses	AGRON 452 ENSCI 452

History

1. Mar 15, 2013 by system
2. Jan 3, 2014 by cchulse
3. Nov 18, 2016 by beresnev
4. Aug 30, 2019 by adw

Course Details

Is this course an Internship or Co-Op?

Credit Type: Fixed Credit Hours: 3
Contact Hours: Lecture Hours: 2 Lab/Studio Hours: 2
Repeatable? No
Anticipated Semesters Offered: Fall: Yes Annually Spring: Yes Annually

Prerequisites: GEOL 100, GEOL 201 or equivalent

Catalog Description: Introduction to geographic information systems (GIS) using ArcGIS Pro with particular emphasis on geoscientific data. Emphasizes typical GIS operations and analyses in the geosciences to prepare students for advanced GIS courses.

A-Z Courses in Catalog

AGRON 452: GIS for Geoscientists

(Dual-listed with AGRON 552). (Cross-listed with ENSCI, GEOL). (2-2) Cr. 3. F.S.

Prereq: [GEOL 100](#), [GEOL 201](#) or equivalent

Introduction to geographic information systems (GIS) using ArcGIS Pro with particular emphasis on geoscientific data. Emphasizes typical GIS operations and analyses in the geosciences to prepare students for advanced GIS courses.

ADIN Course Offerings

Course Offerings (or Schedule of Classes) refer to the approved course section offerings per term. Course offerings are created and stored in ADIN. A Catalog Specialist in the Office of the Registrar ensures that the course data from Course Inventory Management is created in the ADIN Catalog system. The ADIN Catalog system data is used to help build the proper section offerings on the ADIN Course Section system. It is ADIN that feeds and generates the Schedule of Classes on a nightly basis.

See images below of ADIN and the Schedule of Classes for the same course above in CIM and Catalog.

ADIN Course Catalog

ADIN holds the abbreviated (19 characters) course title, credits, repeatable functionality, dual-list, cross-list, instruction type, and contact hours. The Catalog Specialist will add, modify, or remove ADIN courses as indicated by departments using Course Inventory Management (CIM).

```

FUNC CC TERM  20 DEPT GEOL  COURSE 452  SECT   REF#
                                     COURSE CATALOG DISPLAY/CHANGE
TEACH          OFFER          NIGHT SATIS/          CTL  SLCT
DEPT ---COURSE TITLE---- TERMS ----CREDIT--- REF#  EXAMS FAIL          ENRL  ADDS
GIS FOR GEOSCIENTST FS   F 03.0 - 03.0 3092

CRSE SEE REPEAT DUAL ADMNV SPCL 1ST DVRST CMPTR MINOR REPEAT FULL
DROP DEPT TERM  LIST DEPT  PRM WEEK INTL  DLVRY GRAD   GPA  TIME
552

--CROSS LISTED MINOR DEPTS--          -----COURSE FEES-----  UPDATE
ENSCI AGRON                            TYPE AGENCY  MIN      MAX      FS1

TYPE CONTACT CREDIT
INST HRS %   HRS %
1.  LEC   02.0 02.0
2.  LAB   02.0 01.0
3.
```

ADIN Course Section Display

ADIN course sections are created using ADIN catalog information and section details indicated by departments.

```

FUNC SC TERM F 20 DEPT GEOL COURSE 452 SECT 1 REF# 3092005
      COURSE SECTION DISPLAY/CHANGE
      TEACH -----LIMITS----- -ENRL-          G/ 1/2
REFERENCE DEPT TDY LTM MAX CPT LTM TTL LINK  ----CREDIT--- NG SEM LTM BUY
3092 005      018 000 018 016 000 000      F 03.0 - 03.0 G

CTL SPCL 1ST WKSH STUDY          SCHED ADMNV ---DROPS--- DEPT LMT
ENRL PRM WEEK FEE ABRD -----DATES----- CLASS DEPT WTHDW AFTER  CHANGE
                                000 000          Y

      TYPE -----MEETING TIME----- COM G/ -ASSIGNED- SUB DELIVERY
      INST MTWRFK START-- STOP--- LIST NG ROOM INSTR SECT TYPE
1.  LEC M W      3.10 P 4.00 P      X
2.  LAB M W      4.10 P 5.00 P      X
3.
4.
5.
                                -----COURSE FEES-----
                                TYPE AGENCY AMT
                                0.00
ALSO TAUGHT AS ENSCI AGRON 552
  
```

Schedule of Classes

ADIN course sections create the Schedule of Classes and feeds updates nightly.

IOWA STATE UNIVERSITY Search

Schedule of Classes

Schedule of Classes > Schedule Planner

Search Tips > Catalog > Registration Deadlines/Academic Calendars > Textbook Information for your ISU courses > Schedule Change Policy >

Term *

Subject

Course Number or

[Toggle Advanced Search](#)

[Go to Schedule Planner](#)

1 classes found.
Course information last updated: Sat Feb 22 02:18:49 UTC 2020

AGRON 452 (AGRONOMY 452) GIS FOR GEOSCIENTST [Add to Schedule Planner](#)

Prereqs: GEOL 100, GEOL 201 OR EQUIVALENT

Section: 1 8577005 Credits: 3 [18 Open Seats](#) [Textbook Information](#)

Meets: 08/24/2020 - 12/18/2020

Mon Wed	3:10 PM - 4:00 PM
Mon Wed	4:10 PM - 5:00 PM

Additional visuals of Catalog, gray bar (course offerings) and the Schedule of Classes

The below example is in regards to GEOL 544 vs. GEOL 552. The first image is from the Catalog. You can see that GEOL 544 and GEOL 552 are both approved and course descriptions are available in the Catalog.

GEOL 544: Petroleum Geoscience and Engineering

(Dual-listed with GEOL 444). (2-2) Cr. 3. Alt. S., offered even-numbered years.

The geoscience and engineering aspects of exploration, development, and production of hydrocarbon resources around the world, as well as the historical and legal frameworks through which the industry has developed. Broader discussions of safety, risk, uncertainty, cost, and integrity as relevant to the petroleum industry.

GEOL 552: GIS for Geoscientists

(Dual-listed with GEOL 452). (Cross-listed with AGRON, ENSCI). (2-2) Cr. 3. F.S.

Prereq: GEOL 100, GEOL 201 or equivalent

Introduction to geographic information systems (GIS) using ArcGIS Pro with particular emphasis on geoscientific data. Emphasizes typical GIS operations and analyses in the geosciences to prepare students for advanced GIS courses.

This second image is a copy of the gray bar (course offerings that roll from Fall 2019 to Fall 2020). Departments use the gray bar process to modify course offerings. Notice that there is NOT a section for GEOL 544 because there isn't a line segment with course details (limits, instructional type, times and day, etc.). GEOL 552 has a Section 1 meeting with lecture and lab specifics.

R2185		Section Offerings For Fall 2020				Date: 10-12-2019							
GEOLOGY - Continued													
539	SEISMC MTHDS EXPLOR			3 Credits									
Offered: Spring													
Pre-reqs: GEOL 100 OR GEOL 201; COLLEGE ALGEBRA AND TRIGONOMETRY													
Also taught as C.E., 439													
544	PETROL GEOSCI& ENGR			3 Credits									
Offered: No Terms													
Also taught as 444													
552	GIS FOR GEOSCIENTST			3 Credits									
Offered: Fall, Spring													
Pre-reqs: GEOL 100, GEOL 201 OR EQUIVALENT													
Also taught as AGRON, ENSCI, 452													
Sec		Credits Today		---Limits---		Type		Com Class		Com Rm		Comments	
1	3	4	6	LEC	MW	3:10P-	4:00P	SCIENCE	0255	A			
				LAB	MW	4:10P-	5:00P	SCIENCE	0255	R			

This third image shows the Schedule of Classes and how it will provide a view of when there are sections available. The Schedule of Classes will not provide the viewer with any details on GEOL 544 because there are no sections available.

GEOL 520 (GEOLOGY 520) MINERAL RESOURCES [Add to Schedule Planner](#)

Prereqs: GEOL 365
Section: 1 8043005 Credits: 3 **5 Open Seats** [Textbook Information](#)
Meets: 08/24/2020 - 12/18/2020

Tue Thu	11:00 AM - 11:50 AM		
Tue	2:10 PM - 4:00 PM		

GEOL 552 (GEOLOGY 552) GIS FOR GEOSCIENTST [Add to Schedule Planner](#)

Prereqs: GEOL 100, GEOL 201 OR EQUIVALENT
Section: 1 3206005 Credits: 3 **4 Open Seats** [Textbook Information](#)
Meets: 08/24/2020 - 12/18/2020

Mon Wed	3:10 PM - 4:00 PM		
Mon Wed	4:10 PM - 5:00 PM		