



Australian
National
University

Supporting teaching through the pandemic

The contribution of ANU Library collections

An analysis of Library collection use and acquisitions 2019 - 2022

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Background

The ANU Library has been a vital part of the response to support education during the pandemic. Major activity occurred to ensure that the collection met the needs of the university in the period of online teaching. Additional resources were acquired to ensure materials were available online, through purchase, digitisation and the e-reserve system.

Over the past decades, the Library has acquired a significant range of digital resources to support research and education. In the last five years the major scholarly publishers have made a major shift to digital publishing for monographs, making more material available for purchase. Working with academics to acquire new digital resources has involved careful consideration of options that would best meet their needs. There are differences in disciplinary practices and education that have been taken into account. In 2020 this changed with the move to remote teaching, requiring a new investment in resources.

The Library has in the last five years used new forms of acquisition including Patron Driven Acquisition (or Demand Driven Acquisition) models and Evidence Based purchasing models to make titles available through streamlined processes. These purchasing models enable us to set up a profile of scholarly publishers and discipline areas (for example Cambridge University Press and humanities and social sciences) from suppliers. The suppliers provide the Library with records of new titles that fit the profile and we add the records to the library catalogue. Any member of the ANU community can click on the link in the record to download the work when they wish to use it, they don't need to send a request to the library for it to be ordered. The library manages the payment for the acquisition of the works through careful monitoring. The benefit to academics is that they can have immediate access to new works that they wish to read. The benefit to the library is from streamlined acquisition process that require less administrative work. . This model has led to an increased use of titles.

This continued to be a valuable means of making material available for education during the pandemic.

The steady move to digital content, with high use of these resources. In 2015 approximately 96% of the material used from the library collection was digital. In 2021 this had increased to 98.8%. The majority of journals in the library collection are in digital form, with approximately 800,000 digital books added in the past decade.

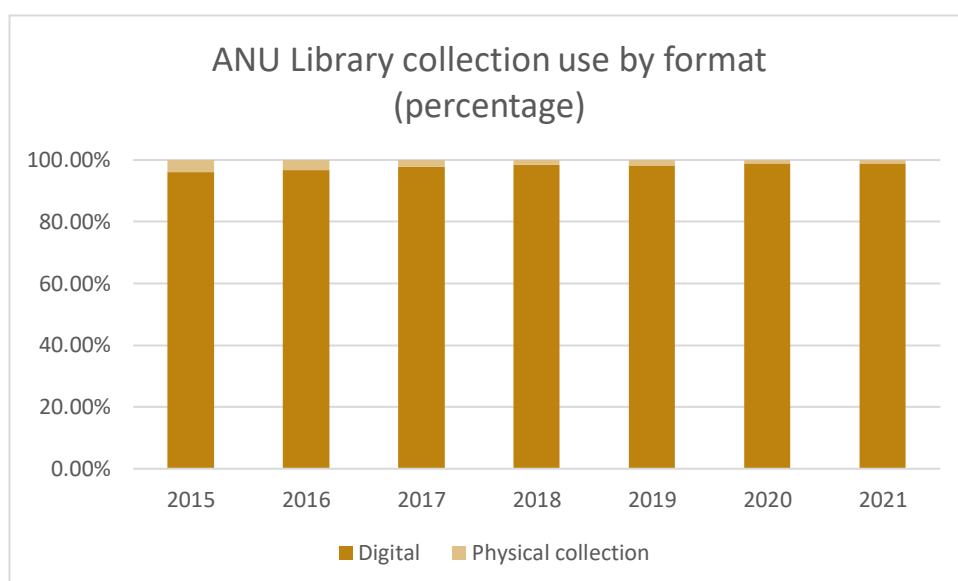


Figure 1: ANU Library collection use by format (percentage)

Loans from the print collection have been steadily declining with digital use increasing, noting that there was a change in methodology for collecting digital use data in 2018 (COUNTER statistics).

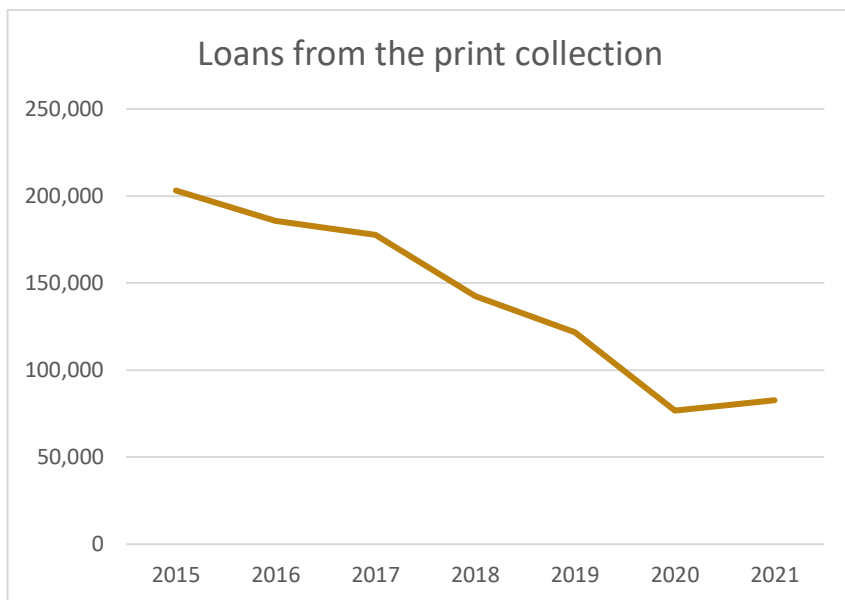


Figure 2: Loans from the print collection

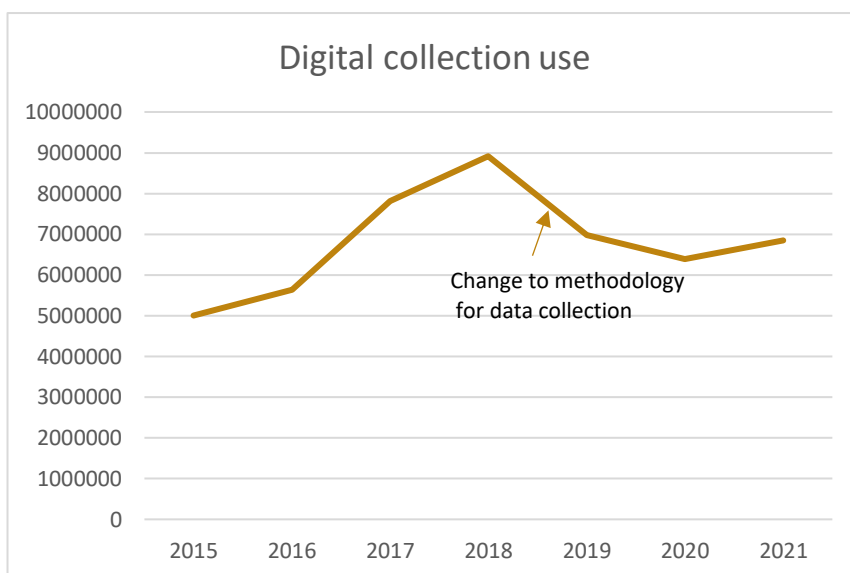


Figure 3: Digital collection use

In responding to the changes due to COVID-19, the ANU Library has successfully built upon the long term transition to digital and taken the opportunity to make a significant investment in online textbooks that successfully supported the University's teaching needs in the move to remote teaching.

In 2020, 97% of the ANU Library collection budget was expended on electronic resources, and 3% on physical resources. This is a trend consistent across Group of Eight libraries, and responded to the needs of the University community. An additional \$110,000, contributed by the University, allowed the Library to respond strategically to meet immediate needs and be well placed to meet future requirements in a hybrid teaching environment.

This report provides acquisition of textbooks during the pandemic and the evidence of their increased use to support teaching.

Acquisitions during the pandemic

The library had developed a very extensive digital collection, particularly journals and databases, over many years prior to the pandemic. While there had been a significant increase in the number of digital monographs, until the pandemic there had not been a strong focus on textbook material or streaming videos.

COVID-19 and remote teaching brought a major change to the university's needs and the library responded with a program of strong collaboration with academics to determine where there was an immediate need to increase digital resources to support teaching.

Two major areas were identified. The first was to invest in textbooks to support undergraduate teaching in particular. In some areas a transition to digital textbooks had already occurred. A project with the School of Medicine in 2018, for example, included a comprehensive reference collection review that led to purchase of a number of digital textbooks.

Textbooks

Textbooks were essential to ensure online access through remote and hybrid teaching times. Data on the purchasing of individual text book titles show a significant move to digital versions in 2020 and 2021. The change meant that these resources were available to students who could not come to the campus. A small number of titles could not be published in digital form as the publisher either had a model that made the works only available for individual users (such as language textbooks with embedded tests by small publishers) or because they were not in digital form (Asian publishers have very little digital publishing). The resources were accessible to students throughout the world and supported the change in delivered of education programs. Library staff were able to successfully negotiate access with vendors offering improved pricing and conditions of access.

The rapid response in ordering digital textbooks rather than hard copy can be seen in the data for the first quarter of the year for the past 4 years. 2019 was pre-COVID-19 and is typical of the purchasing pattern for textbooks pre-pandemic.

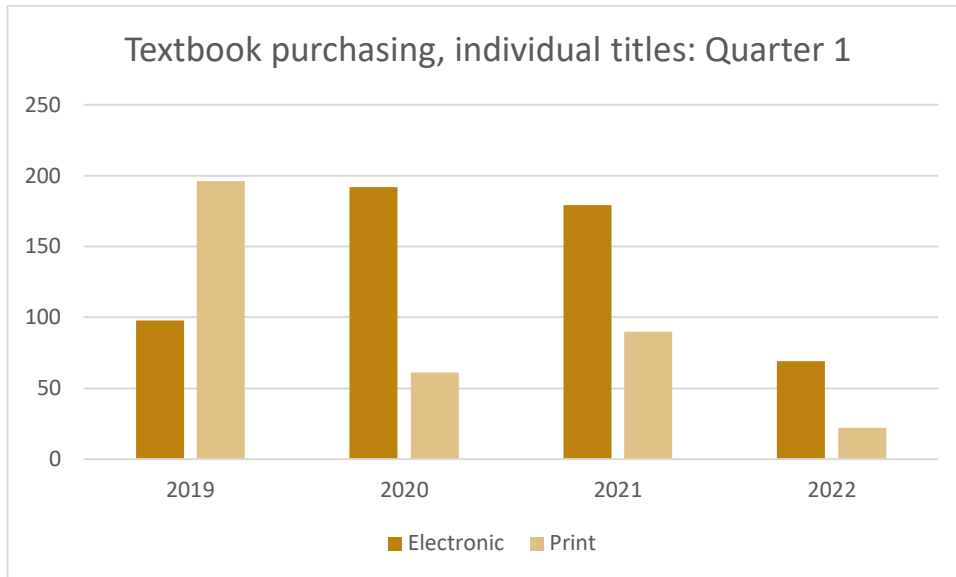


Figure 4: Textbook purchasing, individual titles: Quarter 1

Streaming videos

A major body of work also occurred to make video material available in digital form. Acquiring access to streamed content rather than DVDs was vital to support education. Subscriptions were negotiated with a range of vendors.

The quick transition to streamed videos meant that these titles were available online in 2021 and 2022 and did not need to be reordered.

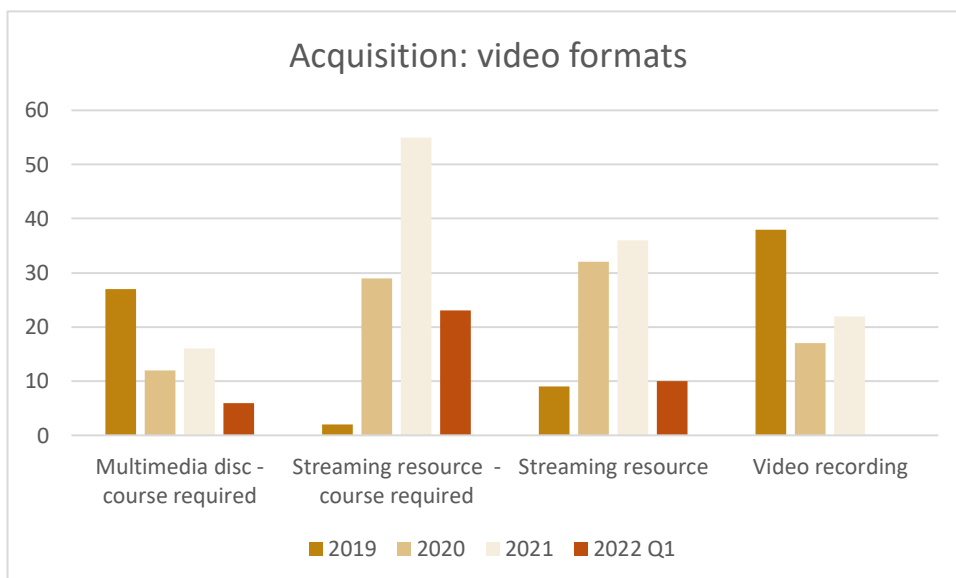


Figure 5: Acquisition of video formats

Discipline insight: Law

Law was one of the disciplines where publishers made a very early transition to produce electronic content. Law journals have been primarily online for many decades with a move to law book publishing online in more recent times. The prices of law resources have been quite high because of the nature of the legal industry

and funding available to the private sector. Universities have negotiated through the Council of Australian University Librarians and individually to obtain the best price.

To support the change in delivery of law courses there was a significant program to purchase of online monographs with the additional funds available.

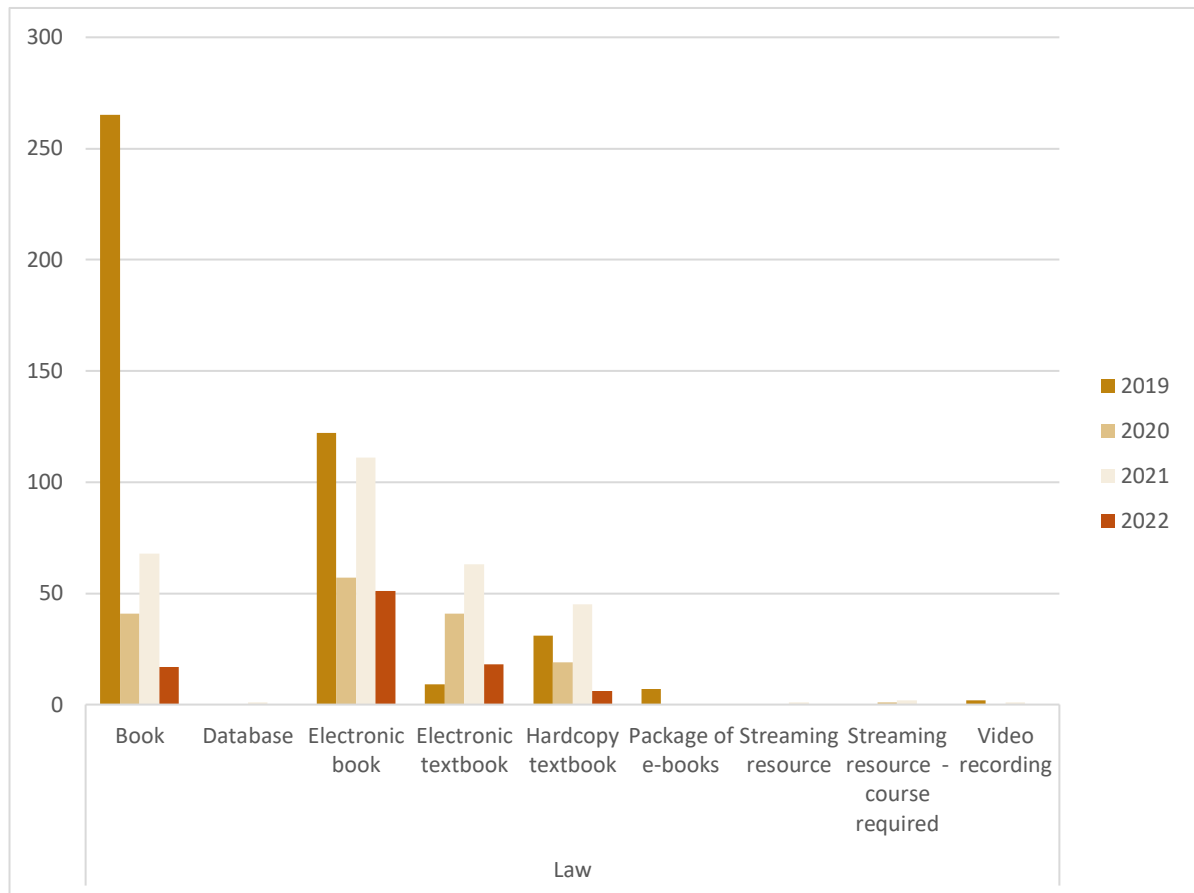


Figure 6: Law acquisitions by format

The figures of use of electronic monographs for 2021 and 2020 (see Appendices 1 and 2) show high use of law titles.

Of the top ten downloaded titles for 2021 half are law titles:

Table 1: Law titles with highest downloads

Ranking	Title	Service	Total Item use
2	Criminology	ProQuest Ebook Central	15175
5	Law Unlimited	ProQuest Ebook Central	11323
6	Understanding Business Law	ProQuest Ebook Central	10076
8	Contract Law	ProQuest Ebook Central	9762
9	Aboriginal Peoples, Colonialism and International Law	ProQuest Ebook Central	9424

Discipline insight: Economics

Courses delivered by the College of Business and Economics tend to use textbooks more than some other colleges. Publishers in this field have moved to online textbook and monograph publishing with some offering packages that include embedded learning such as assessments. While the library had purchased titles, the Library undertook a major project to increase digital content to support the College's education activities.

There was significant acquisition of electronic textbooks in 2020.

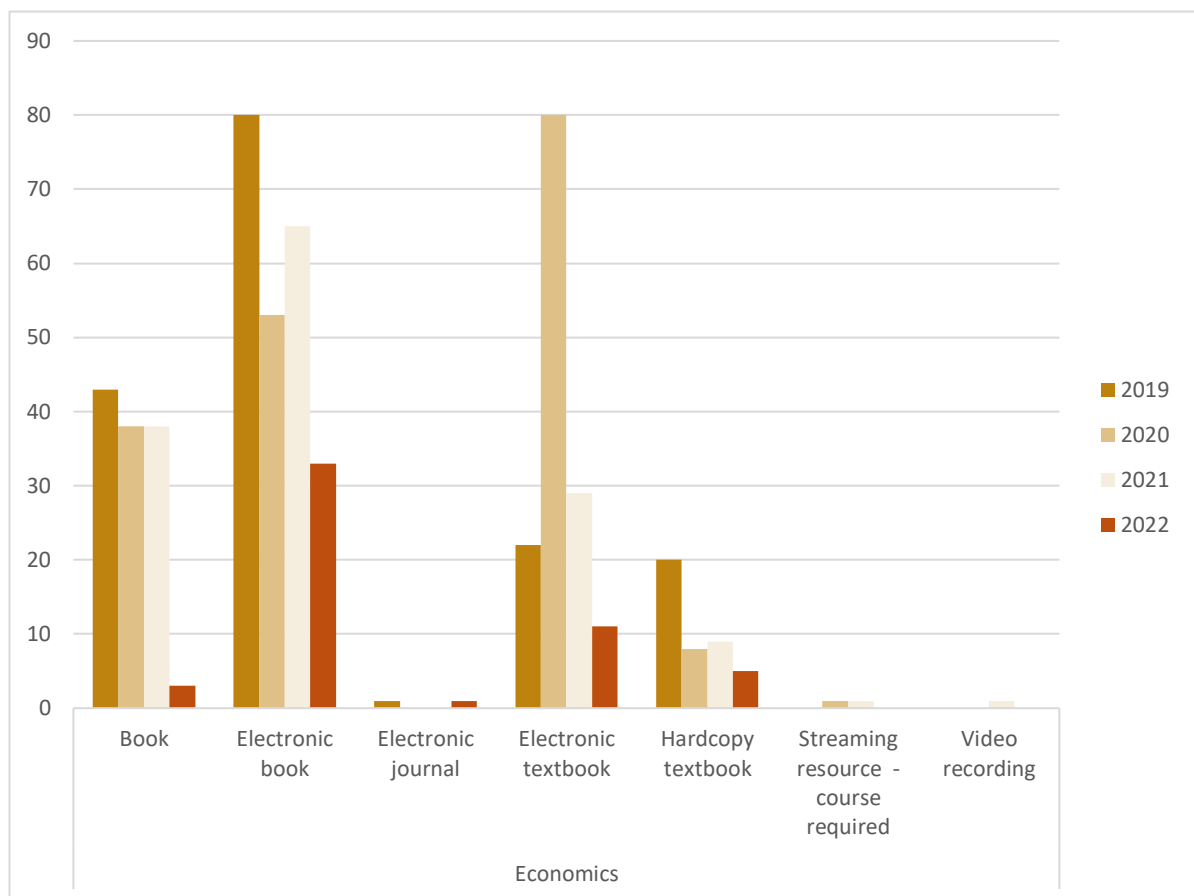


Figure 7: Economics acquisitions by format

These resources have been well used, indicating that they were an important part of the support provided to students during the remote and hybrid teaching periods.

53.6% of the titles with more than 2000 downloads in 2021 were resources used in business and economics subjects (37 of 69).

Meeting new demand

There was significant use of the digital monographs made available for acquisition through the patron or demand-driven (DDA) and evidence-based (EBA) acquisition programs. These allow academics to click on a

record in the library catalogue and immediately acquire the resource. The title can be used immediately, with the library managing payments through a streamlined process.

Many titles from the packages of monographs available through this mechanism were acquired through academic selection in 2020 and 2021, in particular to support remote teaching. The titles are available through arrangements with ProQuest, JSTOR, and ProQuest Taylor and Francis. In total these programs allowed more than 130,000 additional e-book titles to be acquired through request by academics in 2020. The data on these programs shows the extent of use.

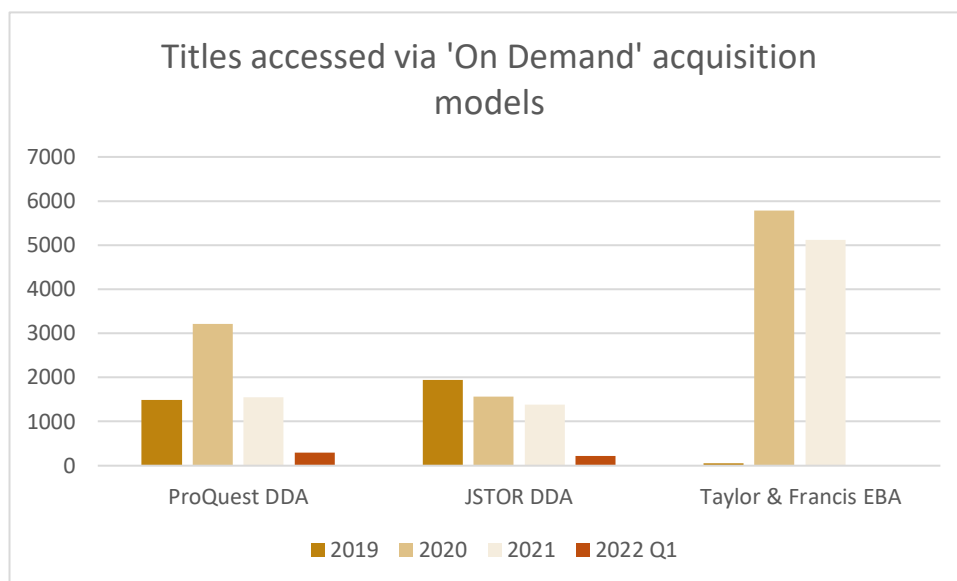


Figure 8: Titles accessed via 'On Demand' acquisition models

This dynamic approach to collection development has allowed academics to more easily have access to the material they require. The Library will continue to explore options that allow for more seamless and immediate access to content and assist education including support for future changes.

Value of the ANU Library in supporting education

The pandemic has been a time that required a very quick and integrated response from the university to support quality education in a period when many students could not be on campus and experience education in the usual way. Remote and hybrid learning have required new approaches to ensure that the academic community has access to the support including library acquired resources required to offer a quality educational experience.

Three major insights appear for the analysis undertaken:

- First is that the strategic move to digital collection growth over the past decade was an important contributor to the move to assist the transition to remote and online teaching. The Library strategic for course material was developed to best meet the needs of students wherever and whenever they needed to access materials, with print material acquired when required. It was a strength of the university for this time of change;
- Second is that from the additional investment made into digital course resources, particular textbooks in 2021 there has been growth in and use of resources particular in the areas of business

and law. As these titles were purchased outright the benefit of having access to these textbooks will remain for a considerable number of years. When newer editions are published a new investment may be required;

- Thirdly the relationship between the academic community and library staff was strengthened through the very detailed discussions that occurred on the acquisition of material and enhancement of services required to meet this period of change in the Library. The collaborative approach is continuing and is of great benefit to assist the introduction of new technology, such as the reading list system and overall service development.

Evaluating initiatives taken to acquire significantly more electronic textbooks, streaming media and electronic monographs through 'on demand' services has found that the newly acquired content was both used significantly and was relevant to ensuring the university was able to teach successfully over the past two years. The changes also enabled development of strong and productive relationships with many academics that have assisted the library to consider future initiatives and develop an approach to implementing new systems to better support education.

The Library will continue to explore opportunities to make resources available and accessible to all students, no matter where they are. Acquiring more digital content, particular with the flood replacement program, converting collection material through digitisation and developing better systems including integration with Wattle will enhance online support for teaching. The work of the last two years has allowed the ANU Library to better engage with the academic community and establish improved workflows to better respond to future needs.

2020 saw a shift in the Library's collection growth, together with a long term program of acquisition that best met the universities need. The importance of the physical collection remains, particular in the social sciences and humanities. Making these resources more accessible for education is an important priority for the Library. Going forward, the ANU Library is strongly positioned to support to further changes to teaching strategy.

Appendix 1: Titles downloaded more than 2,000 times in 2021

Title	Service	ISBN	Total Item use
ODO Arabic	Oxford Online Products	978-0-19-179633-3	57404
Criminology	ProQuest Ebook Central	978-1-138-64312-3	15175
Oxford English Dictionary	Oxford Online Products	978-0-19-860555-3	12025
Globalization	ProQuest Ebook Central	978-0-85785-727-9	11447
Law Unlimited	ProQuest Ebook Central	978-1-138-02423-6	11323
Understanding Business Law	ProQuest Ebook Central	978-0-409-34894-1	10076
Communication for Business CB	ProQuest Ebook Central	978-1-4886-2430-8	10004
Contract Law	ProQuest Ebook Central	978-0-409-35126-2	9762
Aboriginal Peoples, Colonialism and International Law	ProQuest Ebook Central	978-0-415-72175-2	9424
Why Australia Prospered	ProQuest Ebook Central	978-0-691-15467-1	8873
Civil Procedure: Commentary and Materials	ProQuest Ebook Central	978-0-409-34884-2	8702
ISE EBook Online Access for Investments	ProQuest Ebook Central	978-1-260-57115-8	8204
Oxford Scholarly Authorities on International Law	Oxford Online Products	978-0-19-960311-4	8141
Auditing and Assurance Services in Australia	ProQuest Ebook Central	978-1-76042-197-7	7875
Basic Business Statistics EBook	ProQuest Ebook Central	978-1-4886-1724-9	7007
Central Issues in Jurisprudence	ProQuest Ebook Central	978-0-414-05491-2	6605
Macroeconomics, Global Edition	ProQuest Ebook Central	978-1-292-21576-1	6292
Accounting EBook	ProQuest Ebook Central		6139
Equity and Trusts: Commentary and Materials	ProQuest Ebook Central	978-0-455-24174-6	6087
Commercial Applications of Company Law 2021 ebook	ProQuest Ebook Central	978-0-19-033075-0	5999
Introducing Sociolinguistics	ProQuest Ebook Central	978-0-415-55005-5	5792
Uniform Evidence Law: Commentary & Materials	ProQuest Ebook Central	978-0-455-24111-1	5546

Sentencing in Australia	ProQuest Ebook Central	978-0-455-24457-0	5472
Consumer Behaviour: Buying, Having Being EBook	ProQuest Ebook Central	978-1-4886-1695-2	4812
Valuation	ProQuest Ebook Central	978-1-118-87370-0	4772
Asian Business and Management	ProQuest Ebook Central	978-1-352-00742-8	4642
Principles of Macroeconomics	ProQuest Ebook Central	978-1-76042-401-5	4594
Organisational Behaviour EBook	ProQuest Ebook Central	978-1-4886-2068-3	4473
The Return of Inequality	ProQuest Ebook Central	978-0-674-98807-1	4443
ISE EBook Online Access for Grewal M	ProQuest Ebook Central	978-1-260-57600-9	4403
Statistics for Management and Economics	ProQuest Ebook Central	978-1-337-09345-3	4361
Principles of Microeconomics	ProQuest Ebook Central	978-0-17-044567-2	4203
Accounting: Business Reporting for Decision Making, 7th Edition	ProQuest Ebook Central	978-0-7303-6932-5	4194
The Concept of Law	ProQuest Ebook Central	978-0-19-964469-8	4072
Hanks Australian Constitutional Law	ProQuest Ebook Central	978-0-409-35077-7	4070
Economics, EBook, Global Edition	ProQuest Ebook Central	978-1-292-21450-4	3928
Media Law	ProQuest Ebook Central	978-0-19-559848-3	3768
Developmental Psychology: from Infancy to Adulthood EBook	ProQuest Ebook Central	978-1-4860-1827-7	3685
Managing Organizational Change	ProQuest Ebook Central	978-1-137-46857-4	3589
Horngren's Cost Accounting: a Managerial Emphasis EBook	ProQuest Ebook Central	978-1-4886-1264-0	3409
The Political Economy of Latin America	ProQuest Ebook Central	978-1-138-92699-8	3315
Laying down the Law	ProQuest Ebook Central	978-0-409-35193-4	3282
Diagnostic and Statistical Manual of Mental Disorders (DSM-5®)	ProQuest Ebook Central	978-0-89042-555-8	3274
Max Planck Encyclopedia of Public International Law	Oxford Online Products	978-0-19-923169-0	3230
Financial Reporting, 3rd Edition	ProQuest Ebook Central	978-0-7303-6946-2	3184

Microeconomics, Global Edition	ProQuest Ebook Central	978-1-292-21562-4	3148
Psychology, 5th Australian and New Zealand Edition	ProQuest Ebook Central	978-0-7303-6326-2	3095
Australian Competition Law	ProQuest Ebook Central	978-0-409-34382-3	3025
Torts	ProQuest Ebook Central	978-0-409-34209-3	2954
Hidden Hands in the Market: Ethnographies of Fair Trade, Ethical Consumption, and Corporate Social Responsibility	ProQuest Ebook Central	978-1-84855-058-2	2948
Australian Media Law	ProQuest Ebook Central	978-0-455-23440-3	2748
Applied Linear Regression Models	ProQuest Ebook Central	978-0-07-301466-1	2725
Evidence-Based Management	ProQuest Ebook Central	978-0-7494-8374-6	2660
Forensic Anthropology (Second Edition)	ProQuest Ebook Central	978-0-12-815734-3	2633
Financial Management: Principles and Applications EBook	ProQuest Ebook Central	978-1-4886-1721-8	2618
Fundamentals of Futures and Options Markets: Australasian Edition EBook	ProQuest Ebook Central	978-1-4425-3279-3	2570
An Introduction to Foreign Language Learning and Teaching	ProQuest Ebook Central	978-1-4058-3617-3	2538
ACCOUNTING INFORMATION SYSTEMS UNDERSTANDING BUSINESS PROCESSES 5E	ProQuest Ebook Central		2499
Grasping the Democratic Peace	ProQuest Ebook Central	978-0-691-00164-7	2443
Sackville and Neave Australian Property Law	ProQuest Ebook Central	978-0-409-35209-2	2389
A Course in Behavioral Economics	ProQuest Ebook Central	978-1-352-01080-0	2376
Organisational Behaviour EBook	ProQuest Ebook Central	978-1-4886-0932-9	2343
ISE EBook for Essentials of Marketing Research	ProQuest Ebook Central	978-1-260-57578-1	2290
ISE EBook Online Access for Crafting and Executing Strategy: Concepts and Cases	ProQuest Ebook Central	978-1-260-56574-4	2246
Grove Art Online	Oxford Online Products	978-1-884446-05-4	2244
Business and Environmental Sustainability	ProQuest Ebook Central	978-1-138-63238-7	2223

After Love	ProQuest Ebook Central	978-0-8223-5673-8	2203
Public Finance	ProQuest Ebook Central		2159
Principles of Administrative Law	ProQuest Ebook Central	978-0-19-030524-6	2074

Appendix 2: Titles downloaded more than 2,000 times in 2020

Title	Service	ISBN	Total Item use
ODO Arabic	Oxford Online Products	978-0-19-179633-3	86098
Oxford Scholarly Authorities on International Law	Oxford Online Products	978-0-19-960311-4	13421
Oxford English Dictionary	Oxford Online Products	978-0-19-860555-3	12541
Asian Business and Management	ProQuest Ebook Central	978-1-352-00742-8	8624
Horngren's Accounting EBook	ProQuest Ebook Central	978-1-4860-1800-0	8478
The Concept of Law	ProQuest Ebook Central	978-0-19-964469-8	7199
Equity and Trusts: Commentary and Materials	ProQuest Ebook Central	978-0-455-24174-6	7161
Why Australia Prospered	ProQuest Ebook Central	978-0-691-15467-1	7058
Macroeconomics	ProQuest Ebook Central	978-1-319-24358-6	6089
Introduction to Health Promotion	ProQuest Ebook Central	978-1-118-45529-6	5642
Introducing Sociolinguistics	ProQuest Ebook Central	978-0-415-55005-5	5509
Horngren's Cost Accounting: a Managerial Emphasis EBook	ProQuest Ebook Central	978-1-4886-1264-0	5389
Accounting: Business Reporting for Decision Making, 7th Edition	ProQuest Ebook Central	978-0-7303-6932-5	5125
A Rulebook for Arguments	ProQuest Ebook Central	978-1-62466-654-4	5048
Auditing and Assurance Services in Australia	ProQuest Ebook Central	978-1-76042-197-7	4850
Psychology, 5th Australian and New Zealand Edition	ProQuest Ebook Central	978-0-7303-6326-2	4790
Communication for Business CB	ProQuest Ebook Central	978-1-4886-2430-8	4705
Essentials of Negotiation	ProQuest Ebook Central	978-0-07-786246-6	4683
ISE EBook Online Access for Grewal M	ProQuest Ebook Central		4550
How to Defend Australia	ProQuest Ebook Central	978-1-76064-099-6	4407
Science Fiction and Philosophy: From Time Travel to Superintelligence, Second Edition	ProQuest Ebook Central	978-1-118-92259-0	4189
An Introduction to Foreign Language Learning and Teaching	ProQuest Ebook Central	978-1-4058-3617-3	4117

Max Planck Encyclopedia of Public International Law	Oxford Online Products	978-0-19-923169-0	4093
Principles of Criminal Law	ProQuest Ebook Central	978-0-455-23790-9	3806
ACCOUNTING INFORMATION SYSTEMS UNDERSTANDING BUSINESS PROCESSES 5E	ProQuest Ebook Central		3800
International Human Resource Management	ProQuest Ebook Central	978-1-4737-1902-6	3730
A Companion to World War I	Wiley Online	978-1-4443-2363-4	3620
Principles of Macroeconomics	ProQuest Ebook Central	978-1-76042-401-5	3565
Basic Business Statistics EBook	ProQuest Ebook Central	978-1-4886-1724-9	3474
ISE EBook Online Access for Investments	ProQuest Ebook Central	978-1-260-08339-2	3467
Legal Psychology in Australia	ProQuest Ebook Central	978-0-455-22388-9	3426
Environmental and Natural Resource Economics	ProQuest Ebook Central	978-1-138-65947-6	3342
Uniform Evidence Law: Commentary & Materials	ProQuest Ebook Central	978-0-455-24111-1	3309
Understanding Business Law	ProQuest Ebook Central	978-0-409-34894-1	3222
Microeconomics, EBook, Global Edition	ProQuest Ebook Central	978-1-292-21435-1	3135
Statutory Interpretation Principles	ProQuest Ebook Central	978-0-455-23254-6	2659
Business Data Communications and Networking, 13th Australia and New Zealand Edition	ProQuest Ebook Central	978-1-119-57166-7	2646
Securities and Financial Services Law	ProQuest Ebook Central	978-0-409-34306-9	2619
Applied Linear Regression Models	ProQuest Ebook Central	978-0-07-301466-1	2552
Developmental Psychology: from Infancy to Adulthood EBook	ProQuest Ebook Central	978-1-4860-1827-7	2530
Economics, EBook, Global Edition	ProQuest Ebook Central	978-1-292-21450-4	2477
Fundamentals of Futures and Options Markets: Australasian Edition EBook	ProQuest Ebook Central	978-1-4425-3279-3	2459
Organisational Behaviour EBook	ProQuest Ebook Central	978-1-4886-0932-9	2452
Valuation	ProQuest Ebook Central	978-1-118-87370-0	2445
The Human Bone Manual	ScienceDirect	978-0-12-088467-4	2338
Commercial Applications of Company Law 2020 21e eBook	ProQuest Ebook Central	978-0-19-032392-9	2323

Valuation	ProQuest Ebook Central	978-1-118-87373-1	2264
Managing Organizational Change	ProQuest Ebook Central	978-1-137-46857-4	2255
Network Attacks and Exploitation	ProQuest Ebook Central	978-1-118-98712-4	2181
An Introduction to Sociolinguistics	ProQuest Ebook Central	978-1-118-73229-8	2167
Business-Driven Information Systems	ProQuest Ebook Central	978-1-74376-074-1	2153
EEBO British Library records	ProQuest databases		2118
The Political Economy of Latin America	ProQuest Ebook Central	978-0-415-99826-0	2103
The Palgrave Handbook on Art Crime	ProQuest Ebook Central	978-1-137-54404-9	2075
The Routledge Companion to the French Revolution in World History	ProQuest Ebook Central	978-0-415-82056-1	2061
Australian Competition Law	ProQuest Ebook Central	978-0-409-34382-3	2059
Macroeconomics, Global Edition	ProQuest Ebook Central	978-1-292-21576-1	2028

Appendix 3: Analysis of monograph firm orders by subject and format 2019 - 2022



format-and-subject
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