

Academic Support and Research

Intellectual life at the University is nurtured beyond as well as within the classroom. Each campus of Fairleigh Dickinson has its own libraries, computer centers and research facilities, which foster the intellectual growth of students outside the classroom.

Libraries

The University maintains libraries at both its New Jersey campuses, the Florham Campus in Madison and the Metropolitan Campus in Teaneck. The University also maintains a library at its Wroxton College campus in England that supports the academic programs offered there. The Vancouver Campus provides a reference and circulating collection that supplements the FDU Online Library.

The Metropolitan Campus libraries include the Frank Giovatto Library in Teaneck and the Business Research Library (Dickinson Hall) in Hackensack. The Giovatto Library collection contains approximately 154,000 volumes. It also subscribes to approximately 430 periodical titles. The Giovatto Library also offers a collection (1,970) of both educational and popular DVDs and audiobooks on CD. Special collections include the Gehl collection of psychoanalytic materials, the Columbia film archives and selected presidential papers on microfilm.

A Career Corner and a Research and Writing collection have been created to support student research, writing and career research. Giovatto Library offers an Art Gallery for student, faculty and staff exhibits, as well as a Recital Program, using the library's Boston by Steinway piano. The Library Makerspace offers two 3D printers and a digitizer for student use. A Library Café, Relaxation Zone and video game stations are available during library hours.

The Special Collections Suite, located on the ground floor of the Giovatto Library, includes the Sammartino Room, the J. Michael Adams Room, the Faculty Display Case and the Magister Room. The Sammartino Room showcases a portion of the heritage of the University. The collection includes monographs by the founder and first president Peter Sammartino. It also contains monographs published by FDU Press, FDU's *The Literary Review*, doctoral dissertations, yearbooks, faculty

publications and FDU memorabilia. The J. Michael Adams Room, located adjacent to the Sammartino Room, is intended to house books from the collection of J. Michael Adams, along with photos and memorabilia of his years as president of Fairleigh Dickinson University and of the International Association of University Presidents (IAUP). This room also houses the IAUP Archive. While dedicated to the memory of J. Michael Adams, the space is open and available to students and other library users, as are all the rooms in the Special Collections Suite, Monday–Friday, 9 a.m.–5 p.m., and by appointment. The books from the J. Michael Adams collection may also be borrowed by members of the FDU community. The room may also be reserved for small group meetings. The space has wireless connectivity, along with a desktop computer, for student convenience.

One of the campus's most prominent works of art is "Epic of America." It hangs on the face of the Giovatto Library. The casting was created by the famous artist William Zorach. He described the symbolism as "The Indians that possessed this land ... left us a rich heritage — We are all sun worshippers, loving life and the great forces of creation, renewed each day and yet never the same." The flags represent all the flags that "have flown over this country until we were all united under one flag." The woman represents America itself, beautiful and full of fertile promise. And the man and the child represent "the spirit of enterprise and education, leading the new generation to carry on the work of today into the new visions of tomorrow — the new age flowing into life."

At the Florham Campus, the library is part of the John and Joan Monninger Center for Learning and Research. The older portion of the library building occupies the site of the greenhouses of the former Vanderbilt-Twombly estate. The large event space at the front of the building, the Hassan Orangerie, once held tropical plants, and is all that remains of the original greenhouse-orangerie complex. The Fred Hassan Orangerie, designed by McKim, Mead and White, faces Hennessy Hall across a wide expanse of lawn, which is part of the larger Frederick Law Olmsted-designed grounds.

Developed at the Florham Campus location is a library collection of more than 145,000 book volumes, some 150 current newspapers and periodicals plus more than 1,500 backfiles. It also holds more than 2,500 DVDs and videos for classroom and individual use.

The Florham Campus library contains a computer lab with 18 workstations and black and white and color printing. There are two additional workstations within the Reference Room which have graphic design software. The Reference Room is also used as a display space for exhibits showcasing the library's circulating and special collections.

The noncirculating print collections in the Monninger Center include the Douglas Lloyd Kahn Collection on the History of Photography and Film with some 3,500 plus titles; and the smaller, noncirculating collections of the Kushen Family Collection in memory of Betty Kushen, Ph.D., including special editions of 19th- and 20th-century British women writers; Literature by Black Authors, in particular African-American writers in first editions; the Twombly estate collection; as well as the archives of Fairleigh Dickinson University founder Peter Sammartino; the New York Cultural Center; and those of the Florham Campus.

Extensive reference collections are available at all campus libraries for consultation and research, with the library serving its campus as a center for education and learning. At each facility, professional librarians offer individual guidance as well as classroom instruction in library use and research methodology.

Students and faculty on both campuses have easy access to all FDU library materials plus those of the College of Saint Elizabeth (Morristown, N.J.) through the online catalog CoolCAT. Intercampus loan requests can be delivered to the appropriate campus within a day or two. Users needing special library materials not owned by FDU can access library holdings throughout the country with interlibrary loans. These can be requested either online or in person at any campus library.

The FDU Online Library provides access to more than 200 subscription databases containing more than 250,000 full-text journals, more than 160,000 e-books

and three streaming video collections. Most resources within the FDU Online Library are available 24/7, both on campus and remotely.

The FDU library digital collection is available at www.fdu.edu/digitallibrary. This collection consists of unique items from the University's archives and from distinctive collections developed in collaboration with non-library partners, related to both the history of northern New Jersey and the University. Materials include student newspapers, master's theses, historical photographs and documents, digital artifacts, maps and podcasts. This collection is continually growing as the University works to preserve its heritage.

For further information call:
Monninger Center (Florham Campus)
at (973) 443-8516

Giovatto Library (Metropolitan Campus)
at (201) 692-2278

Business Research Library (Hackensack)
at (201) 692-2608 or on the web at <http://library.fdu.edu>

Research and Creative Activity

The variety, scope and incidence of research and related scholarly activity within the University continue to increase. Usually, research carried out by the faculty combines the inquiry for new knowledge with the education of students at the graduate and undergraduate levels. Great emphasis is placed on research and related activities, independent study and inquiry, action projects and scholarly work as means of developing abilities.

Faculty research grants support research-related activities and travel. Government and industry, in addition to the University, support and sponsor University research activities.

Research, creative activity and educational development are found across all the colleges of the University. At the Maxwell Becton College of Arts and Sciences, faculty research is designed to involve students, who can earn credit in research course work for their academic achievements. In the department of psychology and counseling, students have worked alongside faculty to publish and present collaborative research in experimental, personnel and industrial psychology; organizational behavior; and counseling. In chemistry and biology, joint faculty/student research projects are frequent. In addition, many

students majoring in chemistry and biochemistry are able to work one-on-one with chemistry faculty on their research projects, which include topics such as childhood autism, molecular modeling, natural products synthesis, materials chemistry and nanoscience. Students engaging in research partnerships are given the opportunity to network with other chemists while presenting their research findings at local, regional and national chemistry meetings.

Faculty in literature and communication studies have published on such diverse topics as revenge in Shakespeare, Samuel Beckett and the culture of advertising. Short stories and poems by creative writing faculty have appeared internationally and in cyberspace and have been recognized with a National Book Award nomination. Members of the School of the Arts faculty have exhibited and performed in diverse media in galleries and performance spaces throughout the United States and the world. Students in film have worked alongside faculty and professional actors to contribute to a feature film that was successfully placed into distribution. Computer science faculty have made contributions to software design. Faculty in the department of social sciences and history are widely published and internationally recognized. The modern languages faculty lead the way in the creation of short-term, study-abroad programs integrated into the curriculum.

The School of Pharmacy and Health Sciences engages in research across the spectrum of patient care, social and administrative sciences, health outcomes and pharmaceutical science. Faculty engage students in projects on topics ranging from health and wellness, delivery of care, study design and outcome evaluation and the role of the pharmacist in accountable care organization administration and health care delivery. Additionally, basic science research on drug delivery, evaluation and analysis of sterile compounds and other sterile techniques also take place within the school's research facilities.

University College: Arts • Sciences • Professional Studies prides itself on its increased emphasis on research. The Metropolitan Campus houses its clinical psychology doctoral program, where students and faculty study seasonal affective depression, eating disorders, personality development and psychological testing. Faculty in the School of the Humanities focus on modern

and 19th-century English and American writers. Noteworthy was a widely praised biography of Nancy Cunard. The Peter Sammartino School of Education, also part of University College, is funded by local and state agencies and the Office of Education for a variety of innovative programs. Research is concentrated in the areas of learning disabilities and technology.

The Henry P. Becton School of Nursing and Allied Health Doctor of Nursing Practitioners (D.N.P.) Program emphasizes evidence-based research and D.N.P. students are required to engage in research for their D.N.P. degrees. Faculty in the School of Nursing have published in peer-reviewed journals.

The faculty of the School of Criminal Justice, Political Science and International Studies offers one of the few undergraduate international studies degrees supported by its foreign language faculty. Faculty in the school are active in research in the areas of violence and victimization; andragogical instructional methodologies within the construct of police training and education; and the use of neurolinguistic programming in the treatment of substance abuse.

Faculty in the School of Art and Media Studies have widely published scholarship coming from the school, including scholarly articles and texts in theory, biography and film studies.

The faculty of the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering conduct research in such diverse areas as digital and adaptive signal processing, digital image processing, wireless and digital communications, artificial intelligence, machine learning, machine vision and applications, neural networks, pattern recognition, spectroscopic data analysis, big data analytics, biometric identification systems, real-time systems, automatic control systems, remote sensing of environment, water resource management, agricultural food security, remote wind sensing, software engineering, software configuration management, software quality assurance, software management, software reuse, multimedia communications, network protocols, cybersecurity, steganography, steganoanalysis, management information systems, electronic commerce, abstract algebra, computational neuroscience, biomathematical science and bridge abutments.

Faculty in the School of Natural Sciences conduct research on topics that

Academic Support and Research

range from the sensing of chemicals to proteins to cells to plants and invertebrates. This work is funded both from within and outside the University.

Faculty in the Silberman College of Business maintain an active stream of research in a wide variety of areas related to global financing, marketing, ethics, health care and life sciences, international business, entrepreneurship, mergers and acquisitions, new ventures, innovation, options theory, decision-making, pricing issues, forensic science, sustainability, women and minority entrepreneurship, workplace and life balance, among others. The Silberman College of Business sponsors a quarterly consumer survey conducted by Fairleigh Dickinson University Poll (FDU Poll) that addresses topical business and economic concerns. Students have the opportunity to work with faculty members on their research projects.

Finally, research also is an integral component of activities at Anthony J. Petrocelli College of Continuing Studies. Faculty pursue scholarly inquiry in areas that include 19th-century European history, robotics and applied computer simulations, the history of The Bronx, medieval studies, classical philosophy, ethical issues in the late 20th and 21st centuries, sustainability and women's studies.

The School of Public and Global Affairs includes the FDU Poll. Established in 2000, this vigorous survey research group has undertaken thousands of measurements in public opinion and attitudes, issuing 25–40 press releases and garnering tens of thousands of citations. The survey research group also regularly presents its findings at academic conferences and publishes them in academic journals. Its most cited work includes the effect of cable news watching in informing the public, the hesitation of men to vote for a woman candidate and public attitudes toward expanded casino and sports betting.

The FDU Poll receives an “A” rating from statistician Nate Silver’s FiveThirtyEight blog. The ratings measure both accuracy and bias for all major polling services in the United States, providing an update to similar research the poll watchers conducted in 2014. FDU’s “A” rating puts it in the top 15 of the more than 380 polling institutes reviewed and graded from A+ through F. The FDU Poll was found to have a 94 percent accuracy rate for predicting election results, and is one

of only three A-rated polling institutes with zero bias to their rankings.

The School of Administrative Science is conducting research in the fields of diplomacy, leadership, computer security and forensics through the use of Petrocelli College’s Cyber Crime Training Laboratory on the Metropolitan Campus, homeland security, emergency management, school safety, student services and sports administration.

Fairleigh Dickinson University Press and *The Literary Review*

Fairleigh Dickinson University Press has published scholarly books for the academic market since 1967. It produces between 30 to 40 books each year in a variety of fields, with special emphasis on history, literature, the arts and the social sciences. The press publishes several book series, including *American History and Culture*, *Italian Studies*, *Communication Studies*, *Willa Cather Studies*, *Mormon Studies*, *Shakespeare and the Stage* and *Law, Culture, and the Humanities*. It counts many award-winners among its publications, which are held in thousands of libraries around the world. Manuscripts that are considered for publication are subject to peer review by specialist scholars and selected for publication by an Editorial Committee composed of University faculty and an advisory board of associated scholars. The website for Fairleigh Dickinson University Press is www.fdu.edu/fdupress.

The Literary Review (TLR) is an international quarterly journal of contemporary writing founded in 1957. As one of the country’s longest continually running university-affiliated quarterly, *TLR* is established in the international literary community, demonstrating FDU’s commitment to the arts. Four times a year it publishes a new issue of the highest-quality poetry and prose and is recognized for its style, bold approach, loyalty to its contributors — whether they are emerging or award-winning marquee writers, and a dedication to publishing new literature from around the world. Recent issues include *Chemistry: All Poetry in 2018*; *Current Events: 60th Anniversary*, *Physics: All Fiction*, *Uncle: The Battle Isn’t Over*, *I Live Here: Stand Your Ground*, and *Heaven: Is Some Place in 2017*. The journal has won recognition for its work and reinforces the FDU profile

through inclusion in best-of anthologies and online aggregators, by being invited to speak on panels at conferences and festivals, such as the Brooklyn Book Festival in September and Association of Writers and Writing Programs Annual Conference Marketplace every spring. *TLR* also maintains relationships with high-profile literary organizations such as PEN American Center, the American Literary Translators Association and Council for Literary Magazines and Small Marketplaces (CLMP). Members train and mentor more than 25 undergraduate and graduate students a year through internships in literary publishing and collaborate extensively with the creative writing department and M.F.A. program of FDU.

Computer Facilities

Almost all students at the University make use of one of the campus computer centers, whether their majors are in the sciences, engineering, business, education or liberal arts, graduate or undergraduate. The computers available feature a wide range of application software and programming languages for students in all disciplines. From the time a student is admitted, he or she may obtain and use a University NetID account to obtain email, network storage and printing capabilities.

Florham Campus: The technology client services and support teams (formerly the computing services department) at the Florham Campus manage microcomputer labs in several buildings. The Dreyfuss Building has four general-purpose computer labs. There are also state-of-the-art computer graphics, animation and video-editing labs, which include high-resolution computer graphics equipment for the production of professional-quality, computer-generated art, 2D/3D animation, digital video and multimedia presentations. There are special-purpose computer lab facilities across the campus to support mathematics, computer science, physics, biology, chemistry, visual and performing arts and others. There are general and business labs in the John and Joan Monninger Center for Learning and Research and the Academic Support Center.

Metropolitan Campus: The Metropolitan Campus technology client services and support teams (formerly the computing services department) manage three general-purpose computer labs in

Academic Support and Research

University Hall, along with a state-of-the-art graphics lab used for the production of high-quality graphics, 2D/3D animation, digital video and multimedia presentations, and three general-purpose computer labs in Dickinson Hall. There are special-purpose computer lab facilities across the campus to support mathematics, computer science, physics, biology, chemistry, visual and performing arts, psychology, nursing, video editing, engineering, athletics and others. There are general and business labs in the Frank Giovatto Library and the Academic Support Center.

Each computer lab is equipped with Lenovo ThinkCentre All-in-One desktop computers replete with Intel CORE™ i7 processors, LCD flat-panel display and combination CD-RW/DVD-RW drives for file storage and access to optical-based materials. All of the computers are connected to the University-wide network for file and print sharing and access to the internet. All lab computers are running the Microsoft Windows 10 operating system with a large suite of general-purpose software, such as Microsoft Office Professional, and discipline-specific software to support academic computing. Computer labs that are also used as classrooms are equipped with high-resolution/high-intensity computer-projection systems and/or high-definition, flat-panel display technology.

To keep pace with changes in technology and increasing demands for memory and processing power, campus computing center computers are acquired on a technology refresh program.

FDU has a laptop loaner program that enables students to “borrow” a laptop computer for use within the campus libraries. The loaner laptops are imaged with many software applications and can access the internet via the University wireless network. Additionally, the University’s automated library system provides anyone the ability to search the holdings of both campuses from any location using the internet and NetID credentials for authentication.

University systems and security operates and maintains the University data centers, enterprise systems and networking infrastructure, which are used by all, regardless of campus or location. These systems support both the academic and administrative needs of the University. Services include a system for University-

run web pages, faculty and staff personal web pages, a library automation system, an email system and other platforms for advancing the needs of the academic programs. These systems can be accessed using the internet.

High-speed, fiber-optic networking connects most buildings at the University to FDU’s computer network. This facilitates communications among the students and faculty and provides easy access to all of the software and computer resources. Almost all of the academic buildings, including the libraries, have wireless LAN capabilities. This feature allows students with a laptop and a standard 802.11b/g/n/ac wireless LAN card to access the campus network, untethered, from any of those buildings. Every student has access to wired and wireless connectivity in his/her room to connect his/her computer device to the University network. These connections provide students with high-speed access to network resources and the internet. Wireless connectivity is also available in most of the common areas within residence halls.

UTAC

The Fairleigh Dickinson University Technical Assistance Center (UTAC) provides around-the-clock technical support services for more than 200 commercial off-the-shelf software applications, Google for Education, Microsoft and Macintosh (OS 8.x and higher) operating systems, all common browsers, Webcampus/BlackBoard, virtually all network connectivity options and password-reset support. This 24-hour help-desk support is available to all students from the time they are officially admitted to the University.

For more information call the Office of Information Resources and Technology at (973) 443-8689.

Acceptable Use Policies for Computer Usage

The University computing resources support the instructional, research and administrative activities of the University. Users of these facilities may have access to University resources, sensitive data and external networks. Consequently, it is imperative for all users to behave in a responsible, ethical and legal manner. Students are responsible for complying with relevant acceptable-use policies. Failure to comply with these policies may result in charges of violation of the

Code of Student Rights, Responsibilities and Conduct and possible state and federal action.

The Fairleigh Dickinson University Acceptable Use Policy for Computer Usage and the Resident Network Acceptable Use Policy may be obtained from the University Information Systems web site at the following URL: http://isweb.fdu.edu/policies/oirt_policy.html.

Academic Advisement

The Academic Advisement Center (Florham Campus), Center for Business Students (Florham Campus) and the Academic Advisement Center (Metropolitan Campus) are open year-round with extended hours for peak registration. The Academic Advisement Center is a campus-based academic resource for all undergraduate students. Professional advisers are available to assist students in the development of meaningful educational plans, to answer questions regarding University policies and procedures, as well as to help students understand curriculum requirements of their chosen majors or possible new majors.

The offices offer an Academic Achievement Program for students placed on academic probation.

To speak to an adviser at the **Metropolitan Campus** call (201) 692-2339. At the **Florham Campus**, students must speak to the College adviser appropriate to their major. For the Silberman College of Business Center for Business Students, see the paragraph on the next page. For the Maxwell Becton College of Arts and Sciences, see the paragraphs below.

In the **Maxwell Becton College of Arts and Sciences**, advisers strive to provide the most effective academic advising possible for students to experience the maximum educational benefits available to them during their stay at Fairleigh Dickinson University.

All freshmen are provided a comprehensive, individualized advising program by professional staff in the Becton College Academic Advising Center throughout their first year. Basic arts and science students are advised in the Center until a major is declared. An academic intervention program reaches out to any of these students placed on academic probation.

Students in their sophomore through senior years with declared majors are advised by faculty advisers in the major department.

Academic Support and Research

The Becton College Academic Advising Center offers assistance to all Becton College students with changing or declaring majors, minors, off-campus authorization and interpretation of University academic policies and procedures. Support is available to upperclassmen in all majors within Becton College when faculty advisers are not available.

The Becton College Academic Advising Center is open year-round with extended hours for priority registration and other peak registration periods.

To speak with an adviser in the Becton College Academic Advising Center call (973) 443-8753. To speak with a faculty adviser within Becton College, contact the major department.

To speak to an adviser at the Metropolitan Campus, call the Academic Advising Center at (201) 692-2339. **Silberman College of Business** (SCB) students on the Metropolitan Campus may also call the Office of Undergraduate Student Services at (201) 692-2155 for more specific advisement associated with courses within the business curriculum.

Students in the QUEST (Teacher Preparation) Program may call (201) 692-2862 for more specific advisement associated within the QUEST curriculum.

At the Florham Campus, students must speak to the college adviser appropriate to their major. Those within the Silberman College of Business (SCB) should contact the Center for Business Students at (973) 443-8800. The Center is staffed with professional advisers who work with the students in developing a program of study that leverages the various curricular opportunities offered by the college and fits the career interests of the students. A variety of academic intervention programs are also offered at the Florham Campus to SCB students placed on academic probation. The Center for Business Students also works closely with the Career Development Office to enable students to take advantage of a variety of internship opportunities as well as help them identify suitable career opportunities.

To find additional information about both campuses' academic advisement, visit the websites at www.fdu.edu/cass for all colleges at the Metropolitan Campus; <http://view2.fdu.edu/academics/silberman-college/undergraduate/center-for-business-students-advising-office/> for the Silberman College of Business at the

Florham Campus; and at www.fdu.edu/studentsvcs/fmaac.html for the Maxwell Becton College of Arts and Sciences and Anthony J. Petrocelli College of Continuing Studies at the Florham Campus.

Academic Support and Resource Centers

The Academic Support Center at the Florham Campus and the Academic Resource Center at the Metropolitan Campus provide academic support services *free of charge* to all FDU students. This includes adult learners, honor students, students with learning disabilities, international students and graduate students. Individualized weekly tutoring is available in writing, mathematics, business, arts and sciences and the University curriculum. The departments also offer individualized assistance in academic study skills. Students enrolled in modern language classes attend small group or individual tutoring sessions. Discussion groups, review sessions and workshops are tailored for students in specific courses or areas of study as needed.

The tutoring staff is comprised of professional and peer tutors chosen for academic excellence in their major fields. Separate computer facilities are maintained at each center for instructional purposes.

In addition to tutoring, the centers are responsible for testing and placing students in appropriate courses. Students who test into developmental courses are given supplemental help in reading, English and mathematics at weekly labs.

To make tutoring appointments at the Florham Campus, call (973) 443-8538 or schedule online at <http://fdu.mywconline.com>. For the Metropolitan Campus, go to Robison Hall, Room 502, to fill out an application. For further information, contact the Metropolitan Campus center at (201) 692-2076 or go to www.fdu.edu/cass.

Metro Writing Studio

One of the top academic priorities of the Metropolitan Campus of Fairleigh Dickinson University is to graduate students who are competent and confident writers. The Metro Writing Studio supports this mission. Located on the second floor of the Giovatto Library, the Metro Writing Studio provides writing support of every kind free of charge for all students, faculty and staff of Fairleigh Dickinson University.

The studio is staffed with professionally credentialed tutors whose aim is to produce better writers, not only better writing, and who understand that good writing is a practice produced over time in developmental phases. Individual, one-on-one tutoring is available primarily on a drop-in basis; appointments are also available.

Additionally, the studio hosts writing-related workshops such as Introduction to APA Format, Writing the Undergraduate Thesis, Writing Technical Lab Reports and Basic Grammar. These free workshops are for students, faculty and staff. The studio also hosts topical "Conversational Fridays" designed to help students for whom English is not a first language practice their English in a casual atmosphere.

The studio partners with eTutoring.org, a consortium of online tutors available in many subjects such as writing, anatomy and physiology, biology, calculus, chemistry, mathematics, information literacy, research methods and statistics. Undergraduate students can log in and receive support through several delivery methods: eQuestions, synchronous eChat and the asynchronous Writing Lab.

To learn more about all of the services the Metro Writing Studio provides, visit it on the second floor of the Giovatto Library, call (201) 692-2166 or go to <http://view2.fdu.edu/academics/university-college/school-of-humanities/metro-writing-studio/>.

Students with Disabilities

Fairleigh Dickinson University makes support services available to students with documented disabilities. Students with documented physical, learning or psychological disabilities may request reasonable modifications, accommodations, auxiliary aids or services which will allow them to participate fully in programs and activities. Students with documented disabilities may request support services by contacting the campus ADA/504 coordinator. The ADA/504 coordinator for the Florham Campus is Darshan Shah, (973) 443-8079. The ADA/504 coordinator for the Metropolitan Campus is the deputy campus executive, S. Craig Mourtou, (201) 692-2477.

Also see **COMPASS** page 284 and **Regional Center for Learning Disabilities** pages 283–284.