RESOURCES


Dark Networks Game
DARK NETWORKS
TURN
31%
TERROR LEVEL ON POP SUPPORT
GLOBAL
OPERATIONAL
FINANCIAL
END TURN
created with Unity

RESOURCES

Information Technology and Communications Services

NPS Systems

Networks	Provider	Site
EDU	CENIC	nps.edu
HPR	CENIC	hpr.nps.edu
MIL	DREN	nps.navy.mil
Public (for guests)	CENIC	Public.nps.edu
DoDNet	NPS	Monterey DoD Interconnect: DMDC, PERSEREC, DLIFLC, NRL, FNMOC, NPS
"PACBell" Commercial ISP	AT&T	Research Network

User Data

Type	2012	2013	2014	2015	2016	2017*	2018	2019	2020
Profile & network storage	19.4 TB	22.2 TB	48 TB	39 TB	43.5 TB	60 TB	126 TB	145 TB	161 TB
Group Shares	8.7 TB	37.4 TB	30.3 TB	32 TB	111 TB	117 TB	209 TB	191 TB	129 TB
Virtualized server storage/Databases	22.5 TB	75.6 TB	158.74 TB	114 TB	214 TB	258 TB	170 TB	194 TB	301 TB
Total Backup/Recovery Storage	142.8 TB	45 TB	*	130 TB	228 TB	*	*	*	340 TB
Microsoft Exchange Online	*	*	*	*	*	*	*	11.5 TB	15.4 TB
Microsoft SharePoint Online	*	*	*	*	*	*	*	1.0 TB	2.1 TB
Microsoft OneDrive	*	*	*	*	*	*	*	13 TB	109 TB
Microsoft Teams Active Users	*	*	*	*	*	*	*	1,243	4,318
Microsoft 365 Groups	*	*	*	*	*	*	*	0.2 TB	1.0 TB
Box	*	*	*	*	*	*	*	25 TB	60 TB

Educational Technology

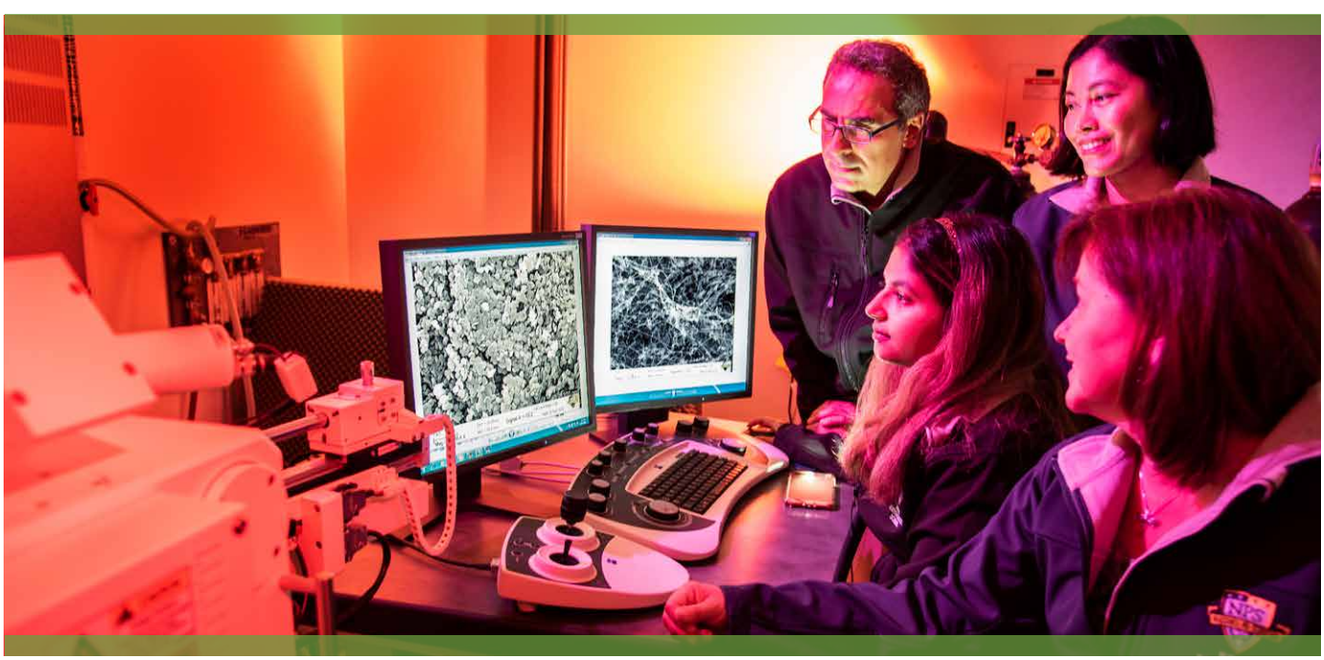
Description	2014	2015	2016	2017	2018	2019	2020
VTE & VTC SYSTEMS & SERVICES							
Video Bridge Ports	60	80	80	80	80	80	80
ISDN Channels directly connected to Video Bridge	0	0	0	0	0	0	0
ISDN Gateway Channels available to Video Bridge and VTC endpoints	253	253	253	253	253	253	253
VTC Equipped Spaces (includes meeting spaces and VTE specialized classrooms & studios)	42	42	36	57	53	43	47
VTC Conference Rooms	27	27	24	18	18	19	15
VTC or VTE Specialized Classrooms & Studios	15	15	24	39	39	24	26
AUDIOVISUAL SYSTEMS & SERVICES							
Multimedia presentation systems[4]	133	133	130	130	130	130	N/A[4]
Classroom AV Systems[5]							110
Meeting Room AV Systems[6]							26
ONLINE INSTRUCTION SUPPORT							
Resident courses shifted to Zoom/Teams/Collaborate (Q3,Q4)							623
Class hours recorded & streamed via the Internet	5,862	6,012	6.416	6,302	6,359	3,388	880
Collaborate participant hours. Tracking began FY14.	100,675	102,341	104,211	106,641	108,287	189,995	115,572

Collaborate: Class hours recorded & delivered.

Educational Technology (continued)

Description	2014	2015	2016	2017	2018	2019	2020
LIVE ONLINE EVENTS							
Live Streaming Events (Total Events)							20
Live Streaming Events (Total Hours)							26
Live Streaming Events (Total Attendance)							4,787
Zoom Webinars Total Events [7]							15
Zoom Webinars Total (Hours) [7]							20
Zoom Webinars Total Atendance [7]							1,156
Teams Live Events Total Events							4
Teams Live Events Total (Hours)							6
Teams Live Events Total Attendance							N/A[3]
ZOOM/TEAMS SUPPORT							
Zoom/Teams Enabled Classrooms							8
Zoom/Teams Enabled Meeting Rooms							1
Zoom Meeting Sessions (Total) [7]							42,635
Zoom Meeting (Hours) [7]							425,921
Zoom Meeting Participants (Total) [7]							387,980
Zoom Cloud Recordings (Total) [7]							1.17 TB
Logins to the learning management system (not distinct users)	1,048,039	1,692,040	1,013,306	1,037,324	1,111,503	1,131,434	1,430,125
Sites (Courses and Projects) hosted on the learning management system	7,821	9,308	10,787	11,956	13,536	14,648	16,871

1 This reflects the total number of available Video-conferencing facilities. Previous editions only accounted for facilities managed by ITACS.
2 Class hours delivered through web-conferencing consists of expected growth and an increasing trend away from streaming classes via the Internet
3 Historical data not available in Teams.
4 Beginning with FY20, count will be kept separately on "classroom" and "meeting space" AV systems.
5 Includes all classroom, computer classroom, VTC-equipped classroom, FLEx classroom, VTE classroom, VTE studio, and lab AV systems supported by AV Services.
6 Includes all conference room, auditorium, and collaboration space AV systems supported by AV Services.
7 Zoom data only covers FY20 Spring & Summer quarters. Older historical data not available from Zoom.



Source: Information Technology and Communications Services

Information Technology and Communications Services

High Performance Computing (HPC)

Description	2014	2015	2016	2017	2018	2019	2020
HPC supercomputer processors	3,154	4,290	4,698	5,166	4,516	6,140	5,156
HPC supercomputer users	210	356	327	180§§	474	688	741
HPC disk space	475 TB	2 PB	3.2PB	3.2 PB	3.2 PB	3.2 PB	6.5 PB
Linux computers on campus	375	300§	286§	242§	224	173§	124§
Linux users on campus	500	600	722	748	704	756	740

§Decrease due to virtualization
§§Decrease due to expired account cleanup

University Education Partnerships

Corporation for Education Network initiatives in California (CENIC)

State research and education network (CalREN) links University of California campuses and system, California State University campuses and system, University of Southern California, Cal Tech, Stanford University and the Naval Postgraduate School, as well as providing connectivity to other national high-speed networks such as LambdaRail and Internet2.

Defense Research Engineering Network (DREN)

DOD's recognized research and engineering network. Robust, high-capacity, low-latency nation-wide network that provides connectivity between and among the HPCMP's geographically dispersed high performance computing (HPC) user sites, HPC Centers, and other networks.

Monterey Peninsula Department of Defense Net

Regional DoD consortium with physical infrastructure linking Fleet Numerical Meteorology and Oceanography Center (FNMOC), Defense Manpower Data Center (DMDC), Naval Postgraduate School (NPS), Naval Research Lab, and Defense Language Institute - Foreign Language Center (DLI-FLC).

University and Defense Partnership Navy Higher Education IT Consortium

Naval Postgraduate School, Naval War College, and Naval Academy CIO's working to develop higher education-based collaborations to maximize effectiveness of technology use at each of the three institutions.

Source: Information Technology and Communications Services
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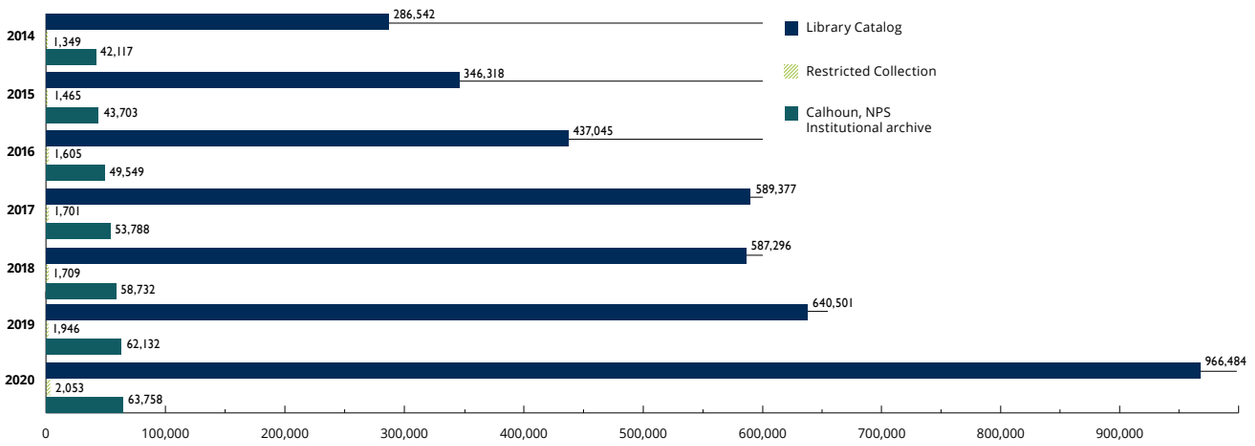
Dudley Knox Library

Quick Facts

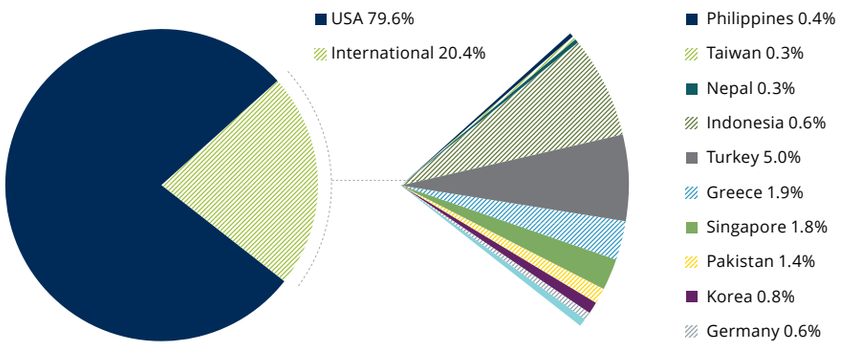
DESCRIPTION	2015	2016	2017	2018	2019	2020
Library staff FTE	28	27	26	25	21.5	22.5
Average weekly hours (Sunday-Saturday); extended hours during finals weeks	78	78	78	78	78	78
eResources available in library catalog (books, journals, reports & more)	391,486	377,192	589,377	587,296	640,051	966,484
eResources available in Restricted Collection (Restriced NPS Thesis, NPS Reports, etc.)	1,465	1,605	1,701	1,709	1,946	2,053
eResources in NPS Archive: Calhoun	43,703	49,549	53,788	58,732	63,132	63,758
On-site Library visits	313,199	280,376	281,393	272,037	260,761	108,457
Average daily library visits (on-site)	909	808	842	829	1,014	1,063
Average daily library visits (virtual)*	--	4,737	4,813	1,746	2,011	1,587
Hours students used collaborative study spaces	>8,200	8,164	24,051.75	28,267.25	28,851	12,376.50
Students receiving library instruction	2,746	2,435	2,501	2,432	2,191	1,968
Library instruction sessions offered (face-to-face and virtual)	146	126	138	149	134	118

*2018 changed to Google Analytics Sessions for counting virtual vists

Number of Electronic Resources



NPS Alumni Registered for AY2020 Library Access



Source: Dudley Knox Library

Alumni

YEAR	TOTAL
2009	1222
2010	1540
2011	1851
2012	2098
2013	2430
2014	2754
2015	3040
2016	3279
2017	3530
2018	3975
2019	4250
2020	4500

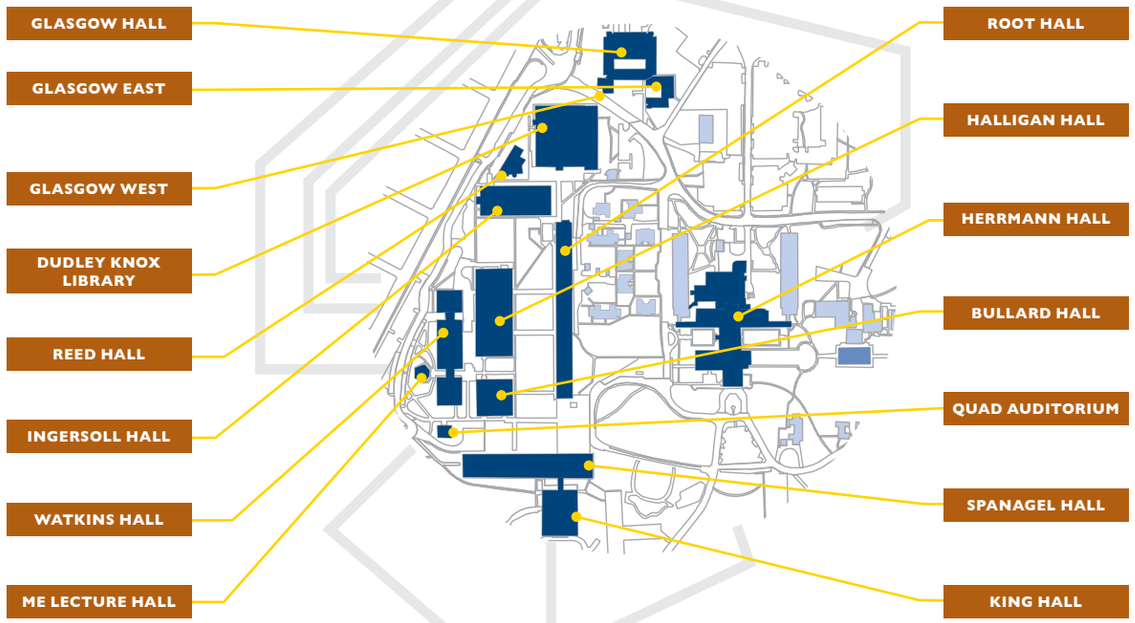
Academic Facilities

CLASSROOMS OF THE FUTURE (CR)
4 FLEx Classrooms with movable furniture and technology to support student-centered learning.

AUDITORIA
4 Large Auditorium facilities designed for conferences and similar large groups of audiences.

VIDEO CONFERENCING CLASSROOMS (VTE)
8 Video tele-education classrooms. Traditional style classrooms augmented with video-conferencing technology.

BASELINE CLASSROOMS (CR)
62 Traditional baseline classrooms with multi-media projection system and instructor computer. This is the minimum baseline technology for all traditional classrooms.



12 SYSTEMS ENGINEERING LABS

ROBODOJO (LAB)
Lab equipped with 3D printers, laser cutters, embedded computing, basic electronics, and robotic software programming for students, staff, faculty and friends to 'tinker' and learn about robot components and systems.

ARSENL (LAB)
Advanced robotic systems engineering laboratory for physically building, testing, and programming robots, such as unmanned aerial vehicles (UAVs) situated next to computation, modeling and simulation resources.

3 SECURE FACILITIES

SCIF, STBL, LIBRARY
NPS supports classified learning and communication in secure facilities.

68 MECHANICAL & AEROSPACE ENGINEERING LABS

SPACECRAFT ROBOTICS LABORATORY (LAB)
Lab set up to test instructional robotic manipulators with location sensors for multiple floating robots on the artificial weightlessness test bed of granite to verify and improve autonomous control theory of spacecraft.

CAVR (LAB)
Center for Autonomous Vehicle Research supports teaching and research in the area of autonomous systems, in particular underwater, surface and air vehicles.

9 SPACE SYSTEMS ACADEMIC GROUP LABS (LAB)

SMALL SATELLITE LABORATORY (LAB)
Labs equipped to design, build, and flight qualify space payloads. Partners of this lab include DoD space, the Jet Propulsion Laboratory and the Air Force Institute of Technology.

Source: Facilities Management (2020)

IMMEDIATE IMPACT
FUTURE ADVANTAGE
ENDURING LEADERSHIP

" NPS is the Navy's applied research university. There are functions that occur here that we can't get anywhere else in the world. "

Adm. Michael Gilday
Chief of Naval Operations

" The winning force will be the one who is faster with more effective decision-making processes that can out-think and out-operate with technology in new ways. It will be the force with the intellectual edge. "

Gen. David H. Berger
Commandant, U.S. Marine Corps

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