



Mac OS X



Mac OS X Intermediate

University of Utah Student Computing Labs Macintosh Support mac@scl.utah.edu

Mac OS X Intermediate Class

- Switchers
 - Mac OS 9
 - Windows
 - Unix
- Working with the Desktop
 - Common tasks
 - Shortcuts
- Printers



Switchers

- Switchers
 - Mac OS 9
 - Windows
 - Unix



"Macs are friendly to technically-challenged people like me."

— Yo-Yo Ma, Cellist

Switchers

Mac OS 9





Mac OS 9 Switchers

- Windows and Unix switchers
 - Much more accepting
 - If they get past the door, they generally love Mac OS X
 - "Things just work" is new to them
- Mac OS 9 switchers
 - Generally the most dissatisfied with Mac OS X
 - Mac OS 9 is more "polished" than Mac OS X
 - Accustomed to particular behavior



Mac OS 9 - Gone

- No Graphing Calculator
 - Must use 3rd party



Mac OS 9 - Gone

No Scrapbook



Mac OS 9 - Moved

- No Put Away (第-Y)
 - Use Eject $(\mathscr{K}-E)$ or drag to Trash
 - F12 on laptops opens CD/DVD tray
 - Can also use iTunes to open tray if it wont open any other way



- No more Chooser
 - Use Finder's "Connect to server" for servers
 - Use Print Center for printers



Connect to Server

Choose a server from the list or enter a server address

- No Control Strip or Launcher
 - Replaced by Dock







- No Note Pad or Simple Text
 - Replaced with TextEdit Application



- No SimpleSound
 - Replaced with System Preferences Sound panel

🗆 🛛 Alert Sounds 🔤 🗏	000	Sound	0
ChuToy Glass Indigo Laugh	Show All Displays Sou	Network Startup Disk Sharing	
Logjam A Pong2003 V	Choose an alert so Name	Kind	
Rdd Remove	Bottle Frog	Built-in Built-in	÷
	Funk Glass Hero	Built-in Built-in Built-in	
Alert Sounds	Play alerts and so	und effects through: Built-in audio controller	
Record Stop Pause Play Cancel	Alert volum	e:	d
Rdd Remove	Output volum	e: •(lute



No Apple CD Audio Player
 Use iTunes



- Remote Access
 - Replaced with Internet Connect application



Remote Access		
▽ Setup	🖯 🖯 🔿 Internal Modem	
Registered User Guest Name: james	Configuration: Internal Modem	
Password:	Service Provider:	
Save password	Telephone Number: No Phone Numbers Found	•
Number: 555-1234	Alternate Number:	
- Status	Name:	
ldle.	Password:)
	Show modem status in menu	bar
Options Connect	These settings can be changed in Network Preferences.	it)
	Status: Idle	Connect



- KeyChain Control
 - use KeyChain Access utility



000	Ke	ychain Access	C
Ŷ D	00	۲	R
Password Note	Delete Go	Lock	Keychain
0 items			
Name	A Kind	Created	Modified
		X	-
	Attribute	Access Contr	ol



Mac OS 9 - Apple Menu

- Different color
 🧉 👙
- Not easily customizable
 - Must use 3rd party application
- Different contents
 - About this Mac
 - Does not tell you memory usage
 - Location
 - Sleep, Restart, Shut Down

Ú	Finder	File	Edit	Viev
A	bout This	Мас		
G	et Mac OS	X Soft	ware	•
S	stem Pre	ference	es	
D	ock			•
L	ocation			•
R	ecent Iten	ns		•
F	orce Quit.			
S	eep			
R	estart			
S	nut Down.			
L	og Out		Ŷ	жQ

Mac OS 9 - Control Panels

- Most have moved to System Preferences
- Names that have changed
 - "Network" System Preference Pane contains
 - AppleTalk
 - DialAssist
 - Infrared
 - Modem
 - TCP/IP

🗛 😪 📖 🖗	Displays Sound Network 3	144 Show All
Location Artomatic	Location: [
rnet 🔳	luilt-in Ethernet	Show:
TCP/P PIPel AppleTalk Presies	TCP/IP P	_
Connect using PPPuE	Di	
Provider: Optional	Service Provider:	
ant Name	Account Name:	
Password	Password	
ice Name: Dynami	PPPol. Service Name:	
Save pactoried Outling this loss allows all users of this comp access this internet account without entering a	0	
change your TOP/IF settings. To check your settings, click the	on PPPoE may change your TCP	Turni
Show PPPoE status in menu bar	01	



Mac OS 9 - Control Panels

- "Monitors" now in "Displays"
- "Multiple Users" now in "Accounts"
- "Numbers" now in "International"
- "Text" now in "International"
- "Appearance" now in "Desktop" & "General"
- "Apple Menu Options" now in "General"
- "File Sharing" now in "Sharing"





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Accounts











Mac OS 9 - Control Panels

- Control Panels that are no longer needed
 - Memory
 - File Synchronization
 - Extensions Manger
 - File Exchange









STUDENT COMPUTING LABS

Mac OS 9 - Finder Windows

- Apple redid window behavior
 - Opening a folder does not open a new window
 - · Hide the toolbar to change





Mac OS 9 - Finder Windows

- Apple redid window behavior
 - You may open multiple windows of the same folder



Mac OS 9 - Finder Windows

- Apple redid window behavior
 - Windows can have a background color or picture



Startup Items now Login Items

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Login Items

 \square

Startup Items is now Login Items



These items will open automatically when you log in:

Hide	Item	Kind	
	I Terminal	Application	A
	(JiTunes	Application	č
	BBEdit 6.5	Application	
	Se System Preferences	Application	
	🥦 iChat	Application	
	MoonDock	Application	
	MemoryStick	Application	Ť
	🗏 Konfabulator	Application	Ŧ

Drag items to specify the order in which they open. To hide an application when you log in, click its Hide checkbox.

Remove Add...

Startup Items now Login Items

- There is a script StartupItems folder
 - For developers, not users
 - To learn about StartupItems folder, see http://developer.apple.com



Mac OS 9 - Clinging to straws...

You can run Mac OS 9 applications with Classic

	Classic	Hide Mac	Classic Environment starting from "/Classic/System Folder" Stop OS 9 desktop window
O O	Classic Wetwork Startup Disk Sharing Stop Advanced Memory/Versions ent for running Mac OS 9 applications. It starts Classic application is launched, or it can be started here. for Classic Start Classic when you log in Warn before starting Classic Reart to start the Classic environment. 		Mac OS 9.2
		2 2 1	e (4) 🖸 😂 💥



Resources

- Mac OS 9 switching is usually about IF not HOW
- Apple compares Mac OS X (10.0, 10.1, 10.2) and Mac OS 9
- O'Reilly Network, switching to Mac OS X





Switchers

Microsoft Windows





Windows: Menu bar

- In Windows
 - Menu bars in windows
- On Mac
 - Only one menu bar
 - · At top of the screen instead of each window
 - Some ported Windows apps have a menu bar in window

Finder File Edit View Go Window Help

Fri 4:02 PM



Windows: Mouse

- In Windows
 - 2 button mouse
- On Mac
 - 1 button mouse default
 - Right button click = control click
 - 2 button mice work as well
 - Scrollwheels also work







Windows: Desktop

- In Windows
 - Desktop folder stored at
 - /Documents and Settings/<name>/Desktop
- In Mac
 - Desktop folder stored at
 - /Users/<name>/Desktop





Windows: Browsing files

- In Windows
 - Windows Explorer
- On Mac
 - Finder
 - Click on icon in Dock
 - Click on Desktop



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VERSITY COMPUTING STUDENT LABS

- In Windows
 - Windows Control Panel
- On Mac
 - System Preferences
 - Launch from Dock





Windows Task Bar

🛃 start 🛛 🖉 🖾 😂 🐼 🖾 🤹 🖉 🖾 🖄 🗇 2 1... 🔹 🖾 2 M... 🔹 🖾 2 M... 🔹 🖉 🖓 🚳 🖏 🖉 🌽 2:32 PM

- Dock
 - Launch applications from Dock
 - Running applications have a triangle
 - Add/remove applications by dragging into/out of Dock
 - Click Yellow button to minimize documents into Dock





- In Windows
 - Control key shortcuts
- On Mac
 - Command or Apple Key (**É** 光)
 - Use ℜ−S to save
 - Use ℜ−C to copy
 - Use 𝗮−W to close window
 - Use ಱ−Q to quit
 - Use #-Tab to switch applications
 - More key short cuts shown in Menus

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View	Go	Window	Help
as lo	ons		Ж1
as L	ist		₩2
√ as C	olum	ns	₩3
Clea	n Up	Selection	plicatio
Arra	nge		() ►
Hide	e Tool	bar	ЖB
Cust	tomiz	e Toolbar.	
Hide	e Stati	us Bar	ok
Show	w View	w Options	жj

- Resources
 - Switching to the Mac: The Missing Manual
 - Apple's Switch site
 - Move2Mac
 - www.XvsXP.com
 - MacDevCenter



Switch





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XIIIX
Windows - If you can't escape

You can run Windows with Virtual PC











SOLARIS[™]8



- Other Unix
 - xTerm
- Mac OS X (without X11)
 - /Applications/Utilities/Terminal.app
 - Available shells are bash, csh, sh, tcsh, zsh
 - tcsh default for Terminal.app
 - sh default for shell script



- Other Unix
 - X Window System
- Mac OS X
 - Quartz
 - Free X11 is available as a beta from www.apple.com
 - Other 3rd party X11 available







- Other Unix
 - .xinitrc
- Mac OS X (without X11)
 - Use "Window Settings" in Terminal menu

000	Shall	
_	Shell	
	Processes	
	Emulation	_
	Buffer	
Cursor 🗸	Display	
•	Color	k
0.	Window	
OIV	ertical Bar	
Text:		
Monaco	Regular 10.0 pt.	Set Font
🗌 Anti-	aliasing	
🗹 Wide	glyphs for Japanes	e/Chinese/etc.
🖯 Wide	glyphs count as 2	columns
Characte	r Set Encoding:	
Unicode	e™ (UTF-8)	•
Us	e Settings as De	faults



- Other Unix
 - /etc/*
- Mac OS X
 - "NetInfo"



j 🖗 🚫	6) (2		C
lew Duplicate Delete	Open I	Parent F	ind		
	1			groups	
/	afpuser_alia aliases config groups machines mounts networks printers protocols rpcs services users	2565 P		admin bin daemon dialer guest kmem mail mysql network nobody nogroup operator	
Property	1	/alue(s)			
name		groups			



- Other Unix
 - Root user on
- Mac OS X
 - Root user off by default, must be turned on with NetInfo Manager
 - Just use "sudo"

Last login: Fri Feb 28 18:41:13 on ttyp2 Welcome to Darwin! [msmac-9:~] james% sudo -s Password: [msmac-9:~] root#





- Mac OS X Unix applications
 - Located in
 - /usr/bin
 - /usr/local/bin
 - /usr/sbin
 - /usr/share
 - /usr/libexec
 - To get a full list:
 - · Control-x then tab -or- control-x then control-d

- Resources
 - "Mac OS X for Unix Geeks"
 - developer.apple.com
 - www.sourceforge.net
 - fink.sourceforge.net
 - www.opendarwin.org
 - www.oreillynet.com
 - www.osxfaq.com
 - www.macosxhints.com

Mag OS X Hints

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OpenDarwin

Developer Connection

Fink



COS X FAQ Technical News and Support for Mac OS X

Unix software for your Mac

Working with the Desktop

- Finder is what you use to find files and folders
- You can open/move/delete files with Finder
- But, there is more than just finding and launching files
 - Renaming
 - Search
 - Undo
 - Aliases
 - Etc.,.





New Folder

Keyboard: Command Shift N



- Command N will open a new FINDER window
- Mouse: right/control click "New Folder"

Help New Folder Get Info

Menu: Or "File" --> "New Folder"

File	Edit	View	Go	Wind
Ne	w Find	er Wind	ow	₩N
Ne	w Fold	er ,	6	N ₩
Op	en	K	1	жΟ
Op	en Wit	h		- Þ
Clo	ose Wir	ndow		жw
Ge	t Info			жı



Changing file/folder names

- Click once on a file, and wait
- Hit return key to toggle



- Or "Get Info" --> "Name & Extension"
 - Keyboard: Command-I
 - Mouse: Right/control click "Get Info"
 - Menu: "File" --> "Get Info"

File	Edit	View	Go	Wind
Nev	w Find	er Wind	low	ЖN
Nev	w Fold	er	4	×ЖN
Op	en			ЖО
Op	en Witl	h		•
Clo	se Win	dow		жw
Get	t Info			жI
Du	plicate		1	ЖD
Ma	ke Alia	s		ЖL



😝 🖯 💿 untitled folder Info
₩ General:
untitled folder
Kind: Folder
Size: Zero KB on disk (Zero bytes)
Where: Hard Disk:Users.james.untitled folder:
Created: Thu, Mar 20, 2003, 6:54 PM
Modified: Thu, Mar 20, 2003, 6:54 PM
Locked
▼ Name & Extension:
untitled folder
▶ Content index:

- ▶ Preview:
- Ownership & Permissions
- ▶ Comments



Selecting a file/folder

- Select one file/folder
 - Click on it
 - Use arrow keys to navigate to it
 - Type name to navigate to it
- Select multiple file/folder
 - Click off item and drag a box (to select multiple)
 - Command click adds/unselects one item at a time
 - Shift click adds/unselects multiple items at a atime
 - Select All (Command A)

Copy/move file/folder

- Move
 - Drag and Drop
- Copy
 - Mouse: Drag and Drop while holding Option key
 - Menu: Copy then Paste

Edit View Go Winde	ow H
Undo New Folder	ЖZ
Cut	ЖX
Copy "untitled folder"	ЖC
Paste	жv
Select All	ЖA
Show Clipboard	





Deleting files/folders

- "Throw away" a file/folder
 - Mouse: Drag to trash can in dock
 - Menu: "File" --> "Move to Trash"
 - Keyboard: Command Delete
- "Empty trash"
 - Menu: "Finder" --> "Empty Trash"
 - Keyboard: Command Shift Delete





Are you sure you want to remove the items in the Trash permanently?

Cancel

OK

You cannot undo this action.



Deleting files/folders	problems
 Locked File – If a file is locked, the trash will not empty 	file Info General: file Kind: Document Size: Zero KB on disk (Zero bytes) Where: Desktop:untitled folder: Created: Thu, Mar 20, 2003, 7:54 PM Modified: Thu, Mar 20, 2003, 7:54 PM
Continue	 Stationery Pad Locked Name & Extension: Open with: Preview: Ownership & Permissions: Comments:

Press option key when selecting "Empty Trash"



Open files

- Mouse: Double click
- Mouse: Right/control click "Open" or "Open With"
- Keyboard: Command O

Help	
Open	
Open With	f Internet Explorer
Get Info	Preview (default)
Duplicate Make Alias	Classic Applications -
Copy "FinderScreenSnapz002.jpg"	WordPerfect 3.5e
dar OS X	Other

- Finder Menu: "File" --> "Open" or "Open With"
- From application

 "File" --> "Open"



File Edit View			
New From Pastel	ooard	ЖN	
Open	N	жо	
Open Recent	R.	•	
Close		жW	
Save		96 S	
Save As	4	ראא≲	
Export			
Page Setup	4	ЪжР	
Print		ЖP	

Save files

- Menu: "File" --> "Save" or "Save As..."
- Keyboard: Command S

	Format: JPEG		•
	Where: Desktop		: •
Save:	As a Copy	Annotations	
	Alpha Channels	Spot Colors	
Color:	Use Proof Setup: V	Vorking CMYK	
	Embed Color Profil	e: sRGB IEC61966-2.	1



Search for files

• Finder window

Advanced Find

- "File" --> "Find"

File Fi	to stew Ge			T burnets .
New Fit New Fit	inder Window older	NN O NN	🖯 🖯 Find	
Open 1 Open 1 Close 1	Nich Window	210 > #W	Search in: Everywhere	
Get Inf	io.	N 1		
Duplic	ate	ND	Search for items whose:	
Show C	original Favorites	NR. NR	file name starts with	00
Move 1	o Trash	26-02	kind is docu	iment
Eject Burn D	Noc	нt		
Find		ЖF	Add criteria	Search

Back Forward View Co	mputer Home Favorites // 8 items, 4.74 GB available Date Modified Today, 6:16 PM 3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28403, 1-23 PM	Size	sis 6 Search Kind Folder
Back Forward View Co Name Desktop Documents Jubrary Movies Music	mputer Home Favorites / 8 items, 4.74 GB available Date Modified Today, 6:16 PM 3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28403 1-23 PM	Size	Search Kind Folder
Name Desktop Documents Library Movies Music	8 Items, 4.74 GB available Date Modified Today, 6:16 PM 3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28/03, 1:23 PM	Size	Kind Folder
Name Desktop Documents Ubrary Movies Music	 Date Modified Today, 6:16 PM 3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28/03, 1:23 PM 	Size	Kind Folder
Desktop Documents Documents Dovies Movies Music	Today, 6:16 PM 3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28/03, 1:23 PM		Folder
Documents Documents	3/7/03, 6:49 PM 3/7/03, 6:33 PM 2/28/03, 1:23 PM		
Ibrary Movies Movies Music	3/7/03, 6:33 PM 2/28/03, 1:23 PM		Folder
Movies Music	2/28/03, 1-23 PM		Folder
Music	electory was not		Folder
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2/28/03, 1:23 PM		Folder
Pictures	3/7/03, 6:50 PM		Folder
Public	3/7/03, 6:18 PM		Folder
Sites	3/7/03, 6:17 PM		Folder
Back Forward View Compute	r Home Favorites Application 1 of 1 item selected	s Search	
Name	Date Modified	Size	Kind
B Thesis	3/7/03, 6:16 PM	4 KB	Rich Tument
∉iames ≥	an a		
a burn . Er seransen . H me			

Undo

"File" --> "Undo"

- Or Command Z
- The Finder remembers the last operation



Aliases

- Aliases is an icon that can be double clicked to launch or open the "original"
 - Similar to shortcut in Windows
 - Similar to soft link in Unix
- Drag and Drop while holding Command & Option
- "File" --> "Make Alias"







Recent Items

AppleMenu Recent Items

"File" --> "Open Recent"

Finder File Edit		
About This Mac		
Get Mac OS X Software		
System Preferences		
Dock	×	
Location	•	
Recent Items	ъŤ	Applications
Force Quit		Adobe Photoshop 7.0
Sleep		🔞 iChat
Restart		Y Keynote
Shut Down		🗢 Safari
Log Out O M	Q	Documents
		C Eudora Settings
		Mac OS V Intermediate key

Clear Menu

🔍 Unix based.gif

File Edit Text Font Sev	irch Tools	
New	- F	
New with Stationery		
Open	80	
Open Hidden		
Open from FTP Server	080	
Open File by Name	жD	
Open Recent	•	/Users/james/Desktop/rounds
Close & Delete	0.WW	/Users/james/Desktop/rotate_log-0.9/rotate_log
Save Save As Save to FTP Server Save a Copy to FTP Server Revert Backup Options Make Backup Now	ж5 0ж5 ℃ож5	/Library/Preferences/retroclient.state /Users/james/Desktops/novell/Ken's ighores /Users/james/Documents/printingeb/JavaScript/browserdetect.html /Users/james/Documents/printingvaScript/java_full_functions.txt /Users/james/Documents/printingO Not active/programming/Read Me /Volumes/Music/Users/James Reynoon/new site/configuration/config.html /Volumes/Music/Users/James Reynoon/new site/details/details.html /Users/james/fsdiff_output.T
Page Setup Print One Conv	0.82	/Users/james/mlimac-3/fsdiff_output.T
time one copy	2.41	

Application Shortcuts

- Quit
 - Command Q
- Hide
 - Command H
- Minimize window
 - Command M



Document Shortcuts

- New (document/window)
 Command N
- Open
 - Command O
- Close window
 - Command W
- Save
 - Command S
- Print
 - Command P

ile Edit Slide	Forma
New	ЖN
Open	% O
Open Recent	►
Open Image Libr	ıry
Open Samples	
Close	жw
Save	ЖS
Save As	ፚ፞፞፝፝፝ ፠ S
Revert to Saved	•
Export	
Choose Theme	
Save Theme	
Slide Size	
Page Setup	☆೫P
Print Slides	ЖP
Print Outline	

Editing (text, graphics, etc)

- Undo
 - Command Z
- Redo
 - Command Shift Z
 - Microsoft applications use Command Y
- Cut
 - Command X
- Copy
 - Command C
- Paste
 - Command V

Edit	Slide	Format
Und	lo Cut	жz
Red	lo Paste	ፚ፞፞፝፞፞ቘZ
Cut		жх
Сору		жс
Pas	te	₩∨



Dock Tricks

- Right/control click for "Dock menu"
- Command click icon in dock shortcut for "Show In Finder"
- Option click to hide last application
- Shift option click to hide all Applications



Title bar: Command Click

- Hold command key and click the title bar
 - Shows the location and can navigate to a parent folder



Title bar: proxy icon

- Click and hold for a second on the "Proxy icon"
- Drag it just like if you were grabbing the actual folder icon



Printers

- Setting up a Printer
- Configuring printer
 - Other drivers
- Print a document
- Saving as PDF
- USB printer sharing





Setting up a printer

- Make sure your printer is plugged in (USB) or on the network
- Open Print Center
- Click Add (or it will ask)







Add a USB printer

- Select USB
- Select printer
- Click "Add"
- Printer will appear in list

Make Default Add Delete Configure Name Status Lexmark Z22-Z32		a	S 44	
Name Status Lexmark Z22-Z32	Make Default	Add De	lete Configure	
Lexmark Z22-Z32	Name		▲ Status	
	Lexinary LLL .			

00	Printer List	
	✓ AppleTalk Directory Services IP Printing	
Name	USB EPSON AppleTalk	ī
Guid	EPSON FireWire EPSON USB Lexmark Inkjet Networking	
Printer Model	Auto Select	•

Add a network printer

- AppleTalk and Rendezvous just point and click
- IP Printing and Directory Services done by a system administrator who knows settings

000	Printer I	ist 🖂	(ir Printing	
	AppleTalk Art	•	Printer's Address: 10.0.1.1 Internet address or DNS name	
Name Art History Art Lab 600 Fiery LX_Pr Fiery LX_Pr Fine Artsyl Charact	LaserWriter Opro o5000_Direct o5000_Print Laserwriter er Set:Western	Type PostScript printer PostScript printer PostScript printer PostScript printer PostScript printer PostScript printer	Complete and valid address.	
inter Model:	Auto Select	Cancel Add	Model Name HP Laserjet 8150 Series HP Laserjet 9000 MFP HP Laserjet 9000 Series HP Monier 240	

Configure a USB printer

000

Make Default

Click "Configure"

Utility will open



Printer List

Delete Configure

Add

 \bigcirc

Configure a USB printer



FYI: Location of printer stuff

 Print drivers and settings are stored at /Library/Printers/



Other print drivers

- Check printer websites
- Canon, Epson, Lexmark, or PCL printer w/o Mac OS X drivers, try installing GIMP-Print
 - gimp-print.sourceforge.net

and CUPS! Gimp=Print PRINT PLUCIN & CHOSTSCRIPT DRIVER
Printing a document

- File --> Print or "Command-P"
- Select options
- Click "Print" button

Copies & Pages Layout Output Options V Quality & Media	xmark Z22-Z32 andard	•
Color Printer Services Summary	່ 🗠 📑 🎝 ເຜ	ick Print
	≣773 € 0 (60 (11)	rmal 00 x 600) gh 200 x 1200)
Paper Type:	Yain	
O Lea	rn how specialty paper ca prove print quality	in dramatically
Halftone: 🕢	Vir Brush (Quality)	

File Edit View Wind	low H
New From Pasteboard	ЖN
Open	жо
Open Recent	•
Close	жw
Save	ЖS
Save As	ፚ፠S
Export	
Page Setup	ዕ፠P
Print	ЖP

Preset	s: Stand	lard		
Copies & Pages	;			
Pages:	IIA 🖲		Collat	e
(From:	1	Reven	se Page Order
	To:	1		
Copies:	1		1;	23
I Want T	•			
Quality:	Norm	al	Scaling:	100%
Paper Type:	Plain		Layout:	Normal
Paper Size:	8.500	× 11.00	00	
Unentation:	Portra	ut		

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Printing a document

- Wait for printer
- Or delete, hold, resume the job
- Or stop all printing

000)	Lexmark Zzz, Z32	
O Delete	fold Resume	Stop Jobs	
	Untitled Page 1 d	of 1	
	Processi	ing job	
Status	A Name		
	Untitle	d	



Save as PDF

- Get ready as normal
- Click on "Save As PDF..." instead of "Print"

Printer: HP LaserJet	8100D	N Queue		\$	
Presets: Standard				;	
Copies & Pages					
Copies: 1	Col	lated			
Pages: 💽 All					
O From:	1	to:	1		
? Preview Save As PDF			Ca	ncel Pr	int

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USB Printer sharing

- Computer with USB printer
 - Open System Preferences, Sharing
 - Select "Printer Sharing"
- Other networked computer
 - Shared printer just "shows up"
 - Can't "Delete", "Configure",
 "Make Default", or "Stop Jobs"





c	omputer Name:	Snowball		
Ren	dezvous Name: twork Address:	Snowball 10.0.1.3		Jecal
		Services	Frenal Internet	
Select	a service to cha	nge its setting		
	On Service		Printer Sharing Or	
ŏ	Windows File 5	haring	(100	
0	Personal Web	Sharing	Club ling to present printers connected to	other people from using this computer.
	Remote Login			
	Remote Apple	Events		
1 8	and a second			
l ê	Printer Sharing			



More Classes Offered

- Mac OS X Advanced
 - Thursday April 3rd, 10:45 AM to 11:45 AM
 - Marriott Library Multimedia Center, Room 1745



Contact Information

- · Web www.macos.utah.edu
- Email mac@scl.utah.edu

