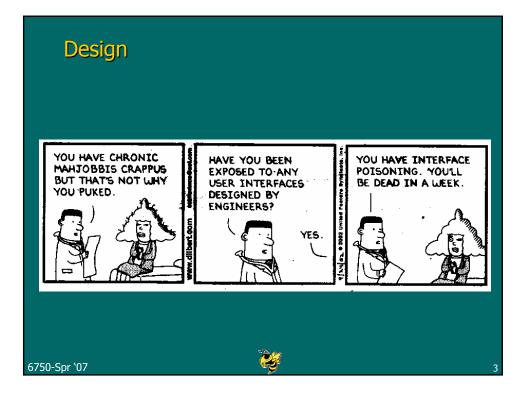
Design

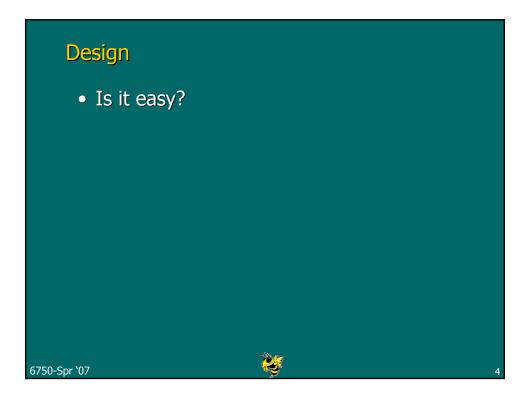
John Stasko Spring 2007

This material has been developed by Georgia Tech HCI faculty, and continues to evolve. Contributors include Gregory Abowd, Al Badre, Jim Foley, Elizabeth Mynatt, Jeff Pierce, Colin Potts, Chris Shaw, John Stasko, and Bruce Walker. Permission is granted to use with acknowledgement for non-profit purposes. Last revision: January 2007.

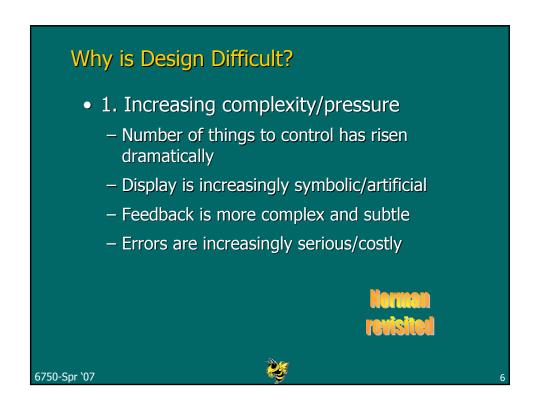
Agenda

- Design challenges
- Idea generation
- Design principles
- Graphic design



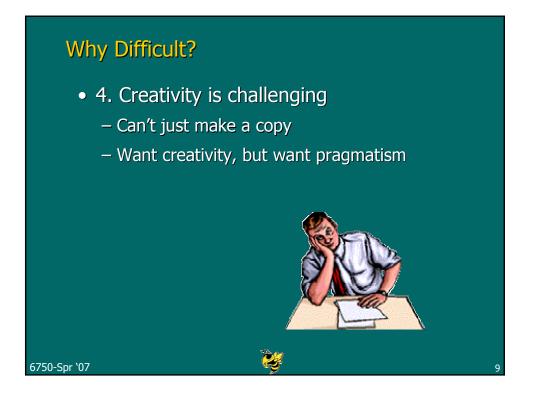


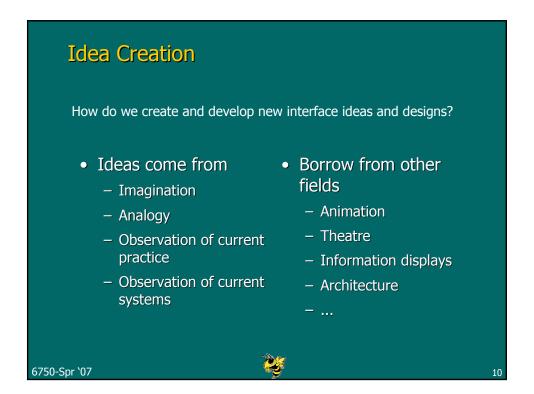


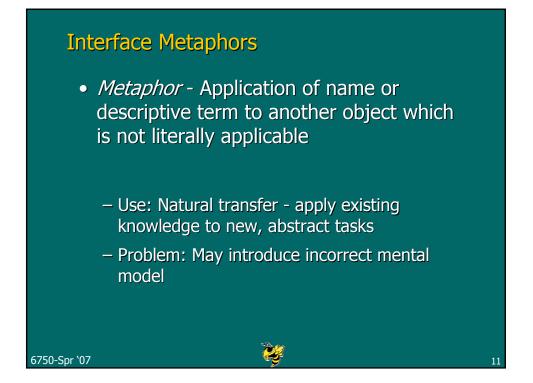


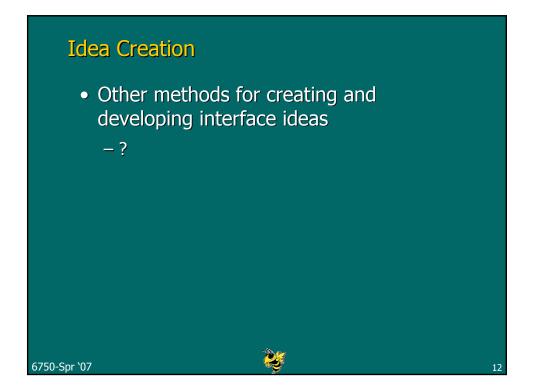








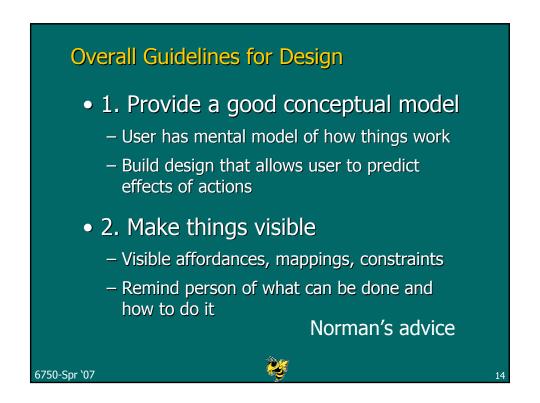


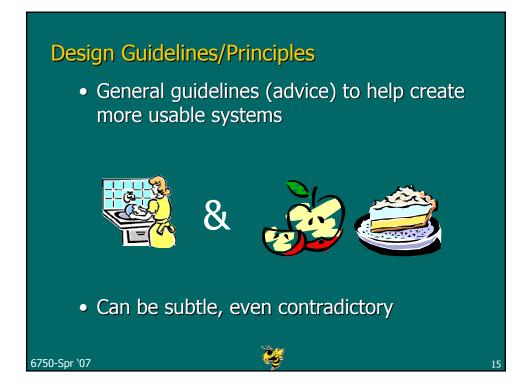


Idea Creation Methods

- 1. Consider new use for object
- 2. Adapt object to be like something else
- 3. Modify object for a new purpose
- 4. Magnify add to object
- 5. Minimize subtract from object
- 6. Substitute something similar
- 7. Rearrange aspects of object
- 8. Change the point of view
- 9. Combine data into an ensemble

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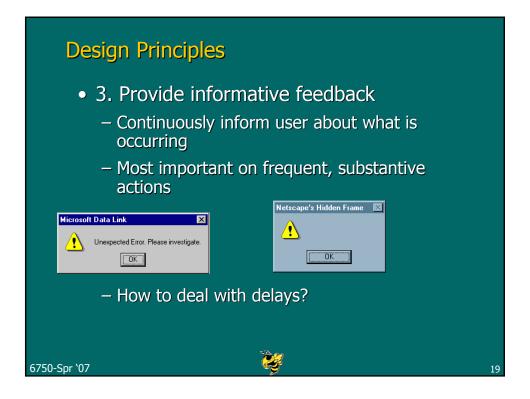


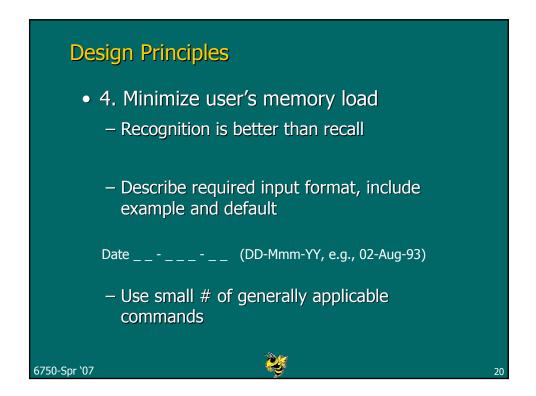




"Fun" Examples	
Installation Program Message This will uninstall JAWS for Windows. This will remove your JFW directory and everything in it. If you have files you wish to save in the JFW directory or any subdirectories under it, abort this uninstall by pressing ESCAPE and save them now. Press ENTER to continue, ESCAPE to abort.	Exit file manager? Continue Cancel Abort
Error Deleting File 🛛 🗙 Cannot delete 016: There is not enough free disk space. Delete one or more files to free disk space, and then try again.	Now click Finish to end this setup << <u>B</u> ack <u>Next >></u> <u>F</u> inish
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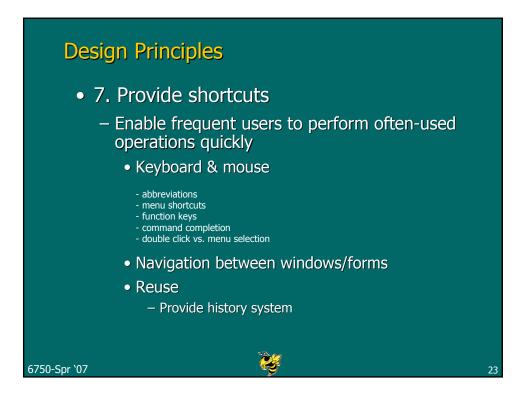
Design Principles	
 2. Strive for consistency 	Subscriber Name: Tech. Re Account #: Status:
 Sequences, actions, commands, layout, terminology 	Contact Telephone: E-Mail: Address: St Saye Cancel
 Makes more predictable 	· · · · · · · · · · · · · · · · · · ·
OK Cancel Help	ft Visual Basic 🔀
Done Cancel Apply	OK Cancel Help
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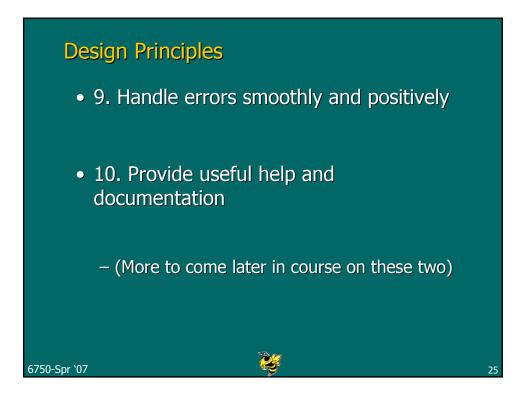








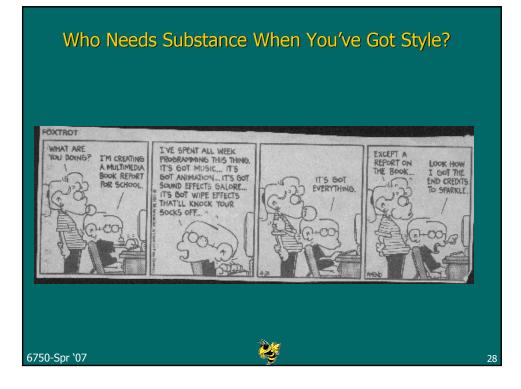


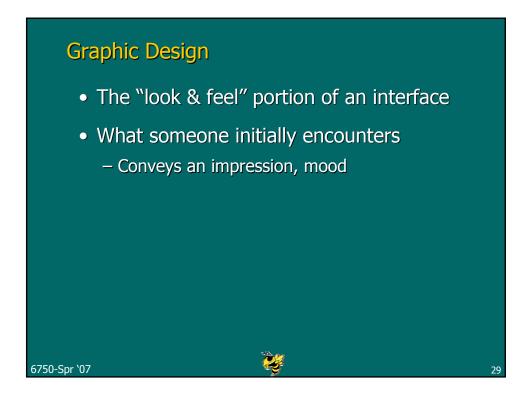


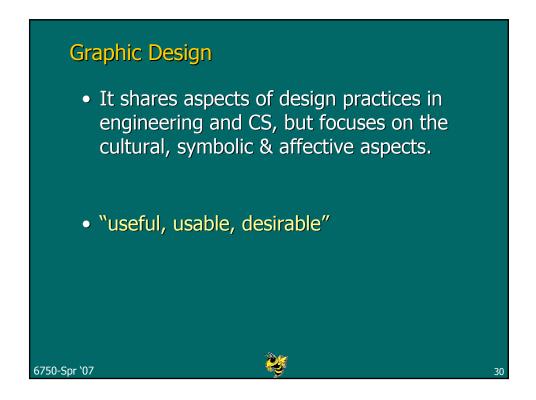


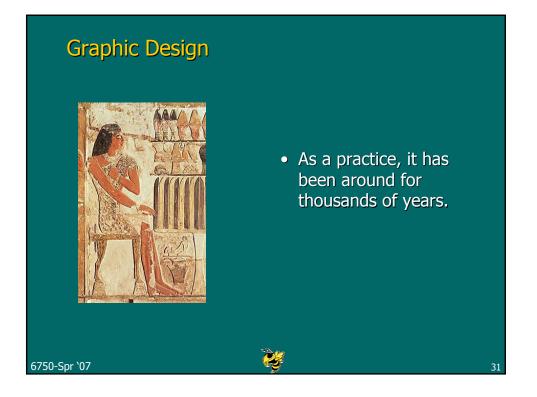


Let's explore the details more...

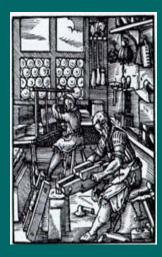








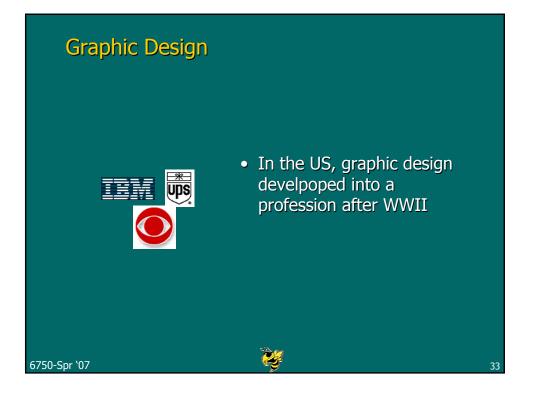
Graphic Design

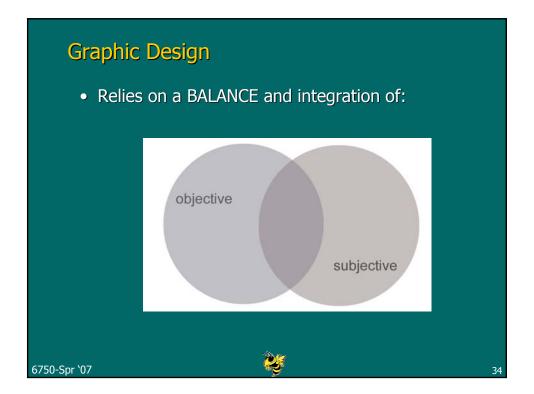


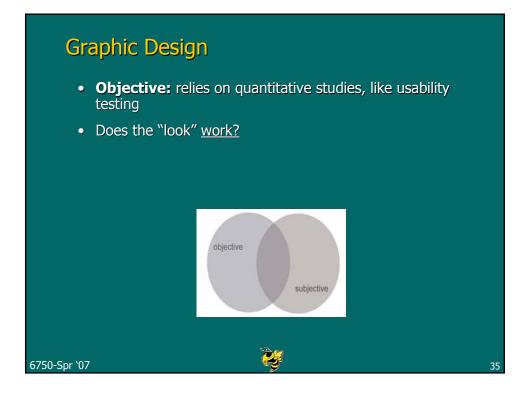
- With the industrial revolution, art and design began to diverge
- Design for massproduction - of printing, of artifacts

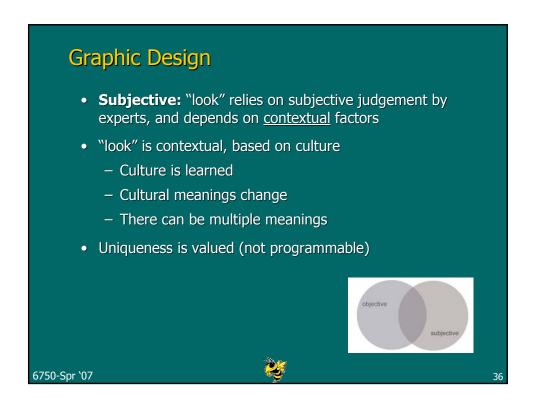
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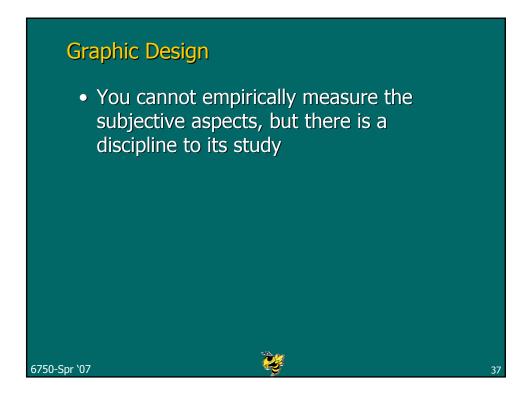
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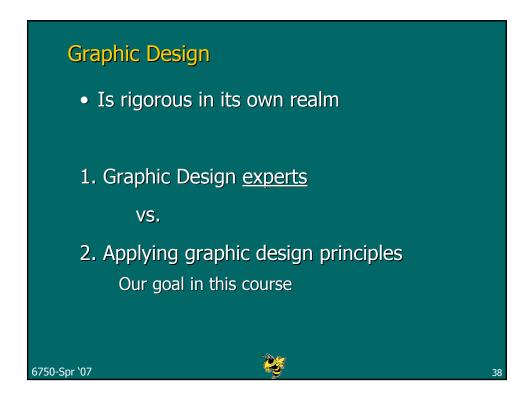


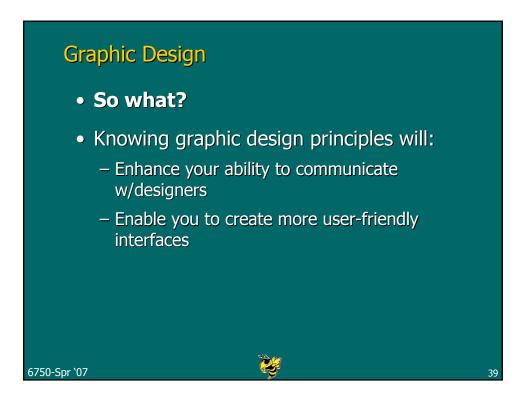


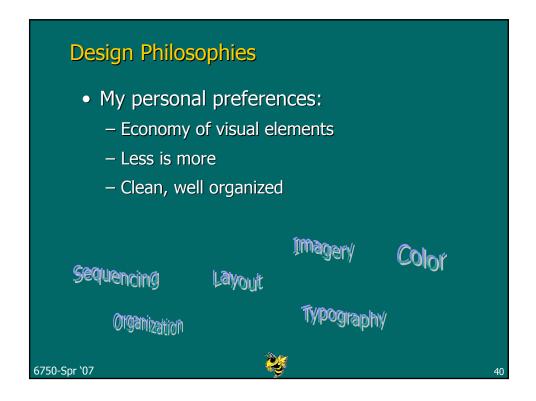


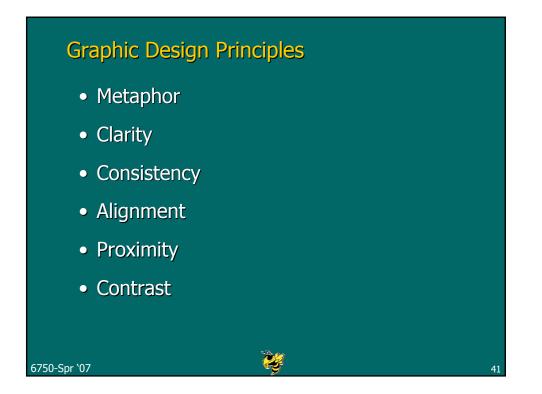






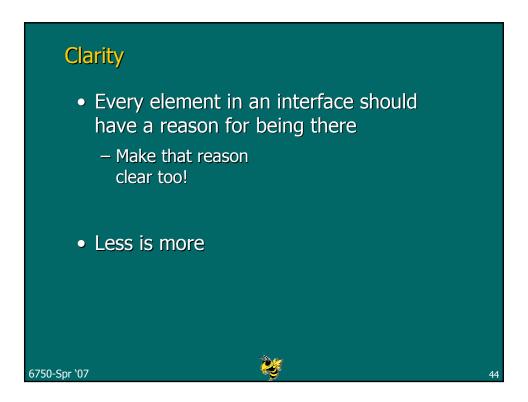


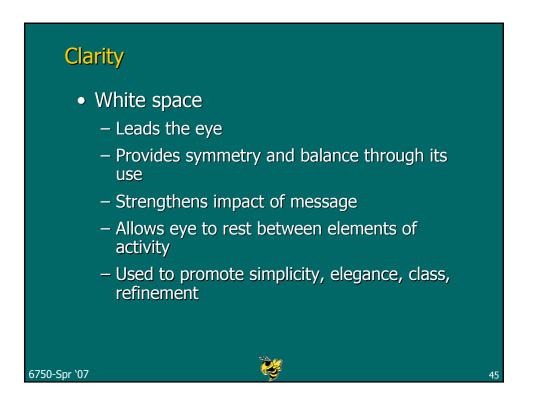




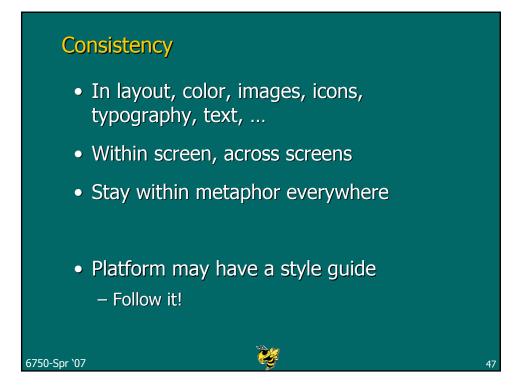


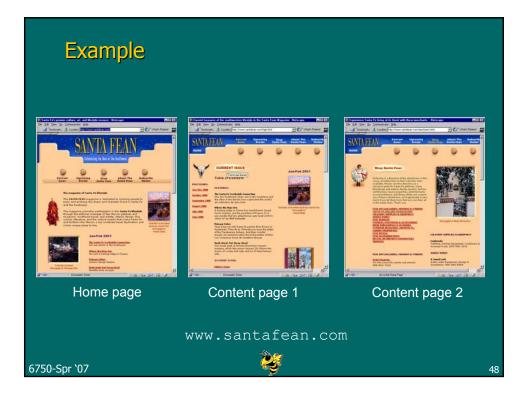


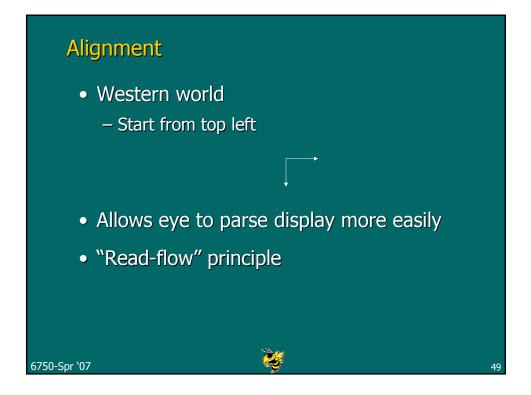


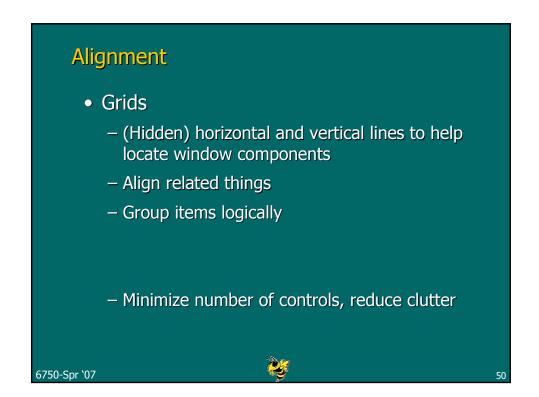


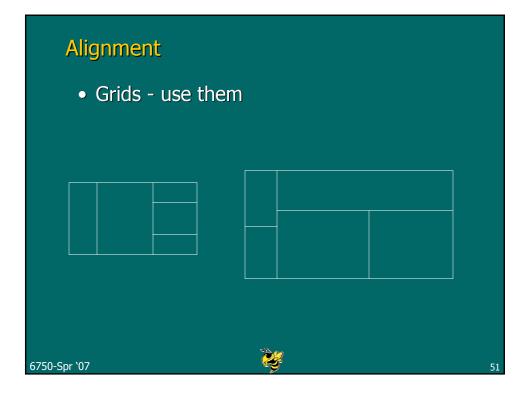




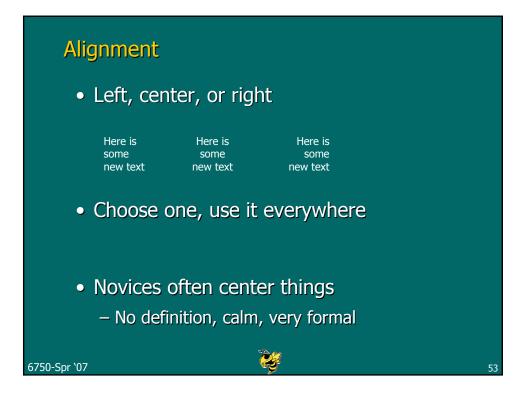






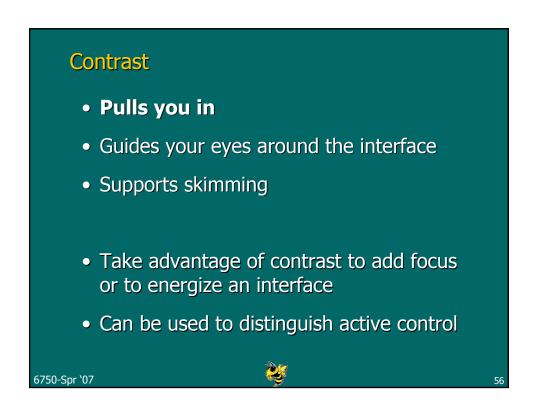


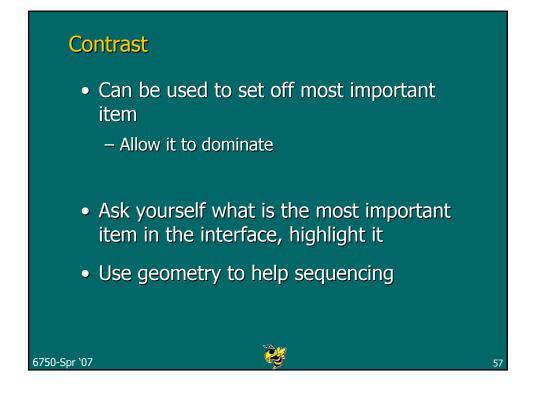
Grid Example		
	? × Image: Save Cancel	
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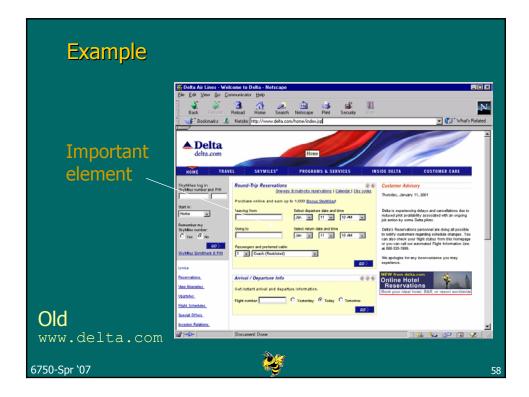


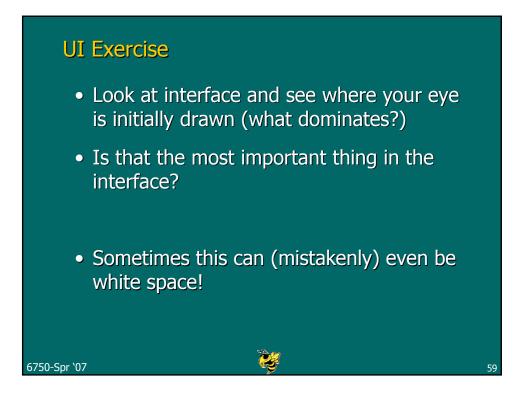
Pro	oximity	
	Items close together appear to have a relationship	
•	Distance implies no relationship	
	Time	
	Time:	
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Example		
Name Addr1 Addr2 City State Phone Fax	Name Addr1 Addr2 City State Phone Fax	Name Addr1 Addr2 City State Phone Fax
6750-Spr `07	<u>in an an</u>	55









Evenade	
Example	Advanced FAX Settings
	Aptiva Communication Center
	Speaker setting O <u>O</u> n () On until connect O Off
	Wait 45 ★ seconds for connection
	Retry after 60 * seconds Number of retries 3 *
	Resolution
	● Fine O <u>S</u> tandard
	Maximum transmit rate: 14400 bps 🗾
	Paper size: Letter (8½ x 11 in)
Disorganized	Use custom editor: xe C:\Phoenix\fax_inst.wii Browse
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Freedolo		
Example		
	most browsers and is used by WWW search	Backgound Color:
Q&D Software Development Order De	sk s at top of Web page in bold type)	Text Color:
Q&D Software Development Order De		
E-Mail respones to (will not appear of		Background Graphic
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Text to appear in Submit button	Text to appear in Reset button	
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