

My First Podcast

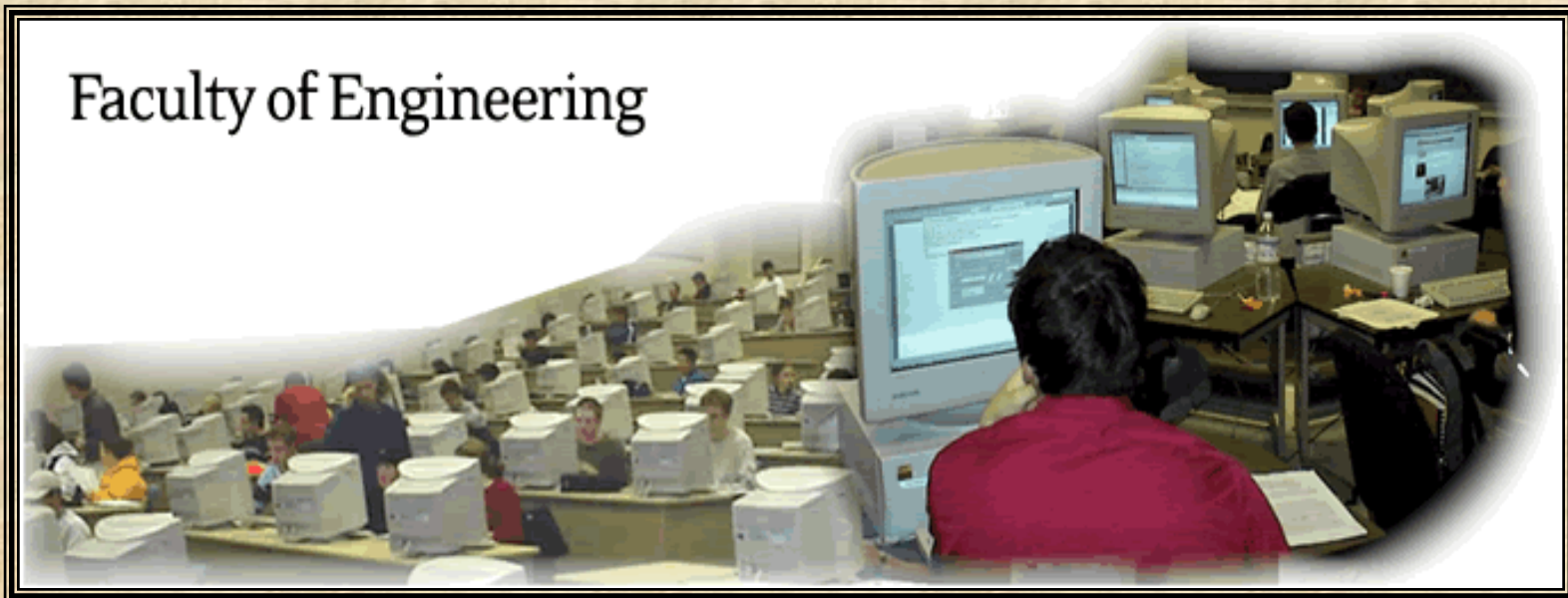
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University of
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Overview

- ***Jesse's questions:***
 - ***what you did?***
 - ***why?***
 - ***what insights you can pass along?***
 - ***student feedback***

What I did?

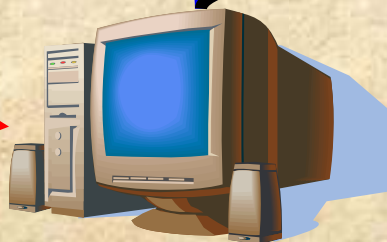
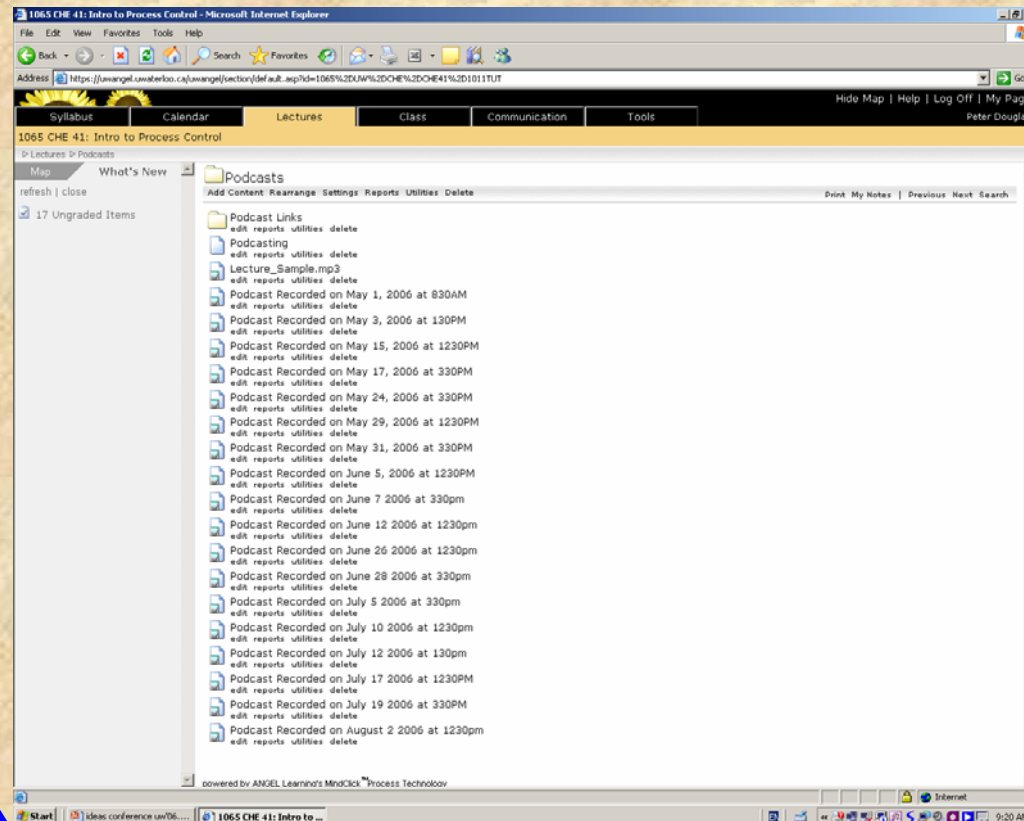
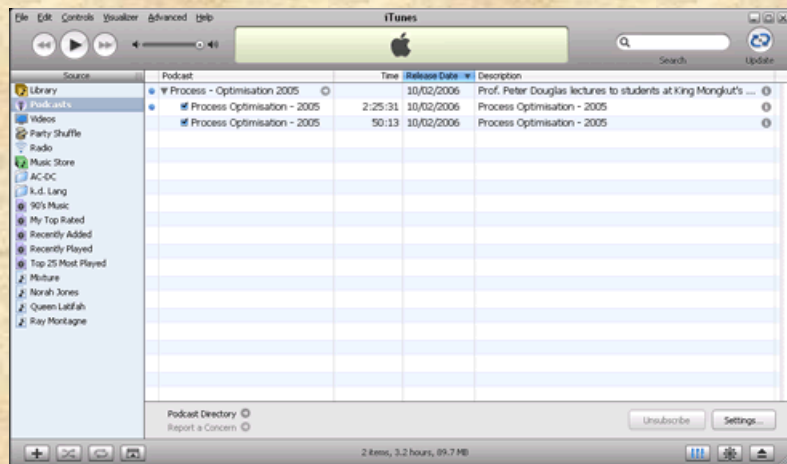
- ***recorded all of my lectures on an iPod***
 - ***ChE 41 Process Control***
 - ***4 hours per week***
 - ***53 students***

- ***uploaded them to iTunes & UW-ACE***

Insights

- *easy to do; little extra effort*
- *students said that they appreciated it*
- *usage on UW-ACE was good*
- *class attendance remained high*

Uploading to iTunes & UW-ACE



The Power of IDEAS Conference, UW, August 15, 2006

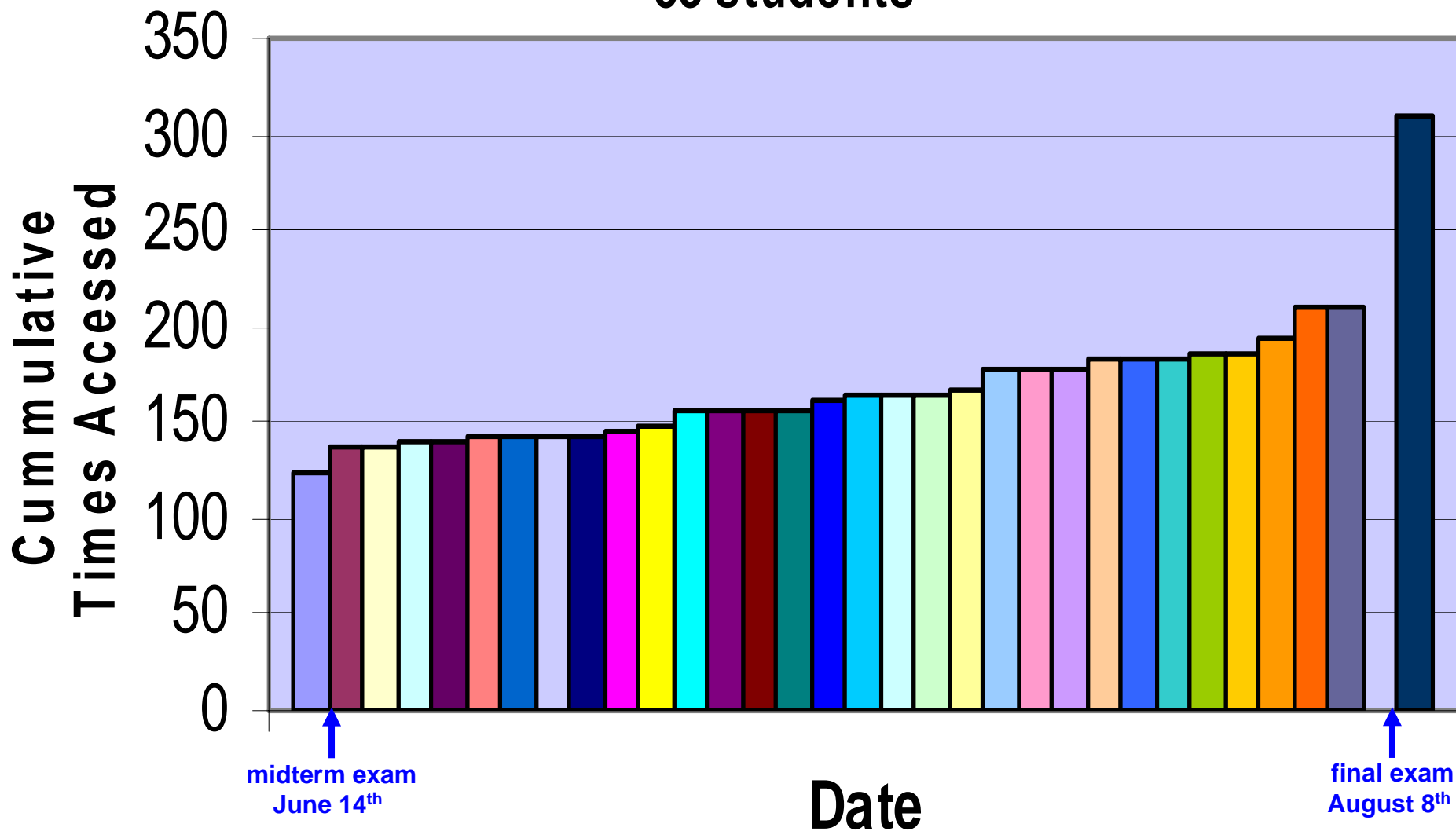
Student usage on UW-ACE

- *46 out of 53 accessed folder at least once*
- *some accessed folder > 30 times!*
- *podcast folder accessed 350 times during term (~ 7 times/student)*
- *access at the end of term was highest*

Access to Podcast Folder ChE 41 S'06

June 13/06 - August 11/06

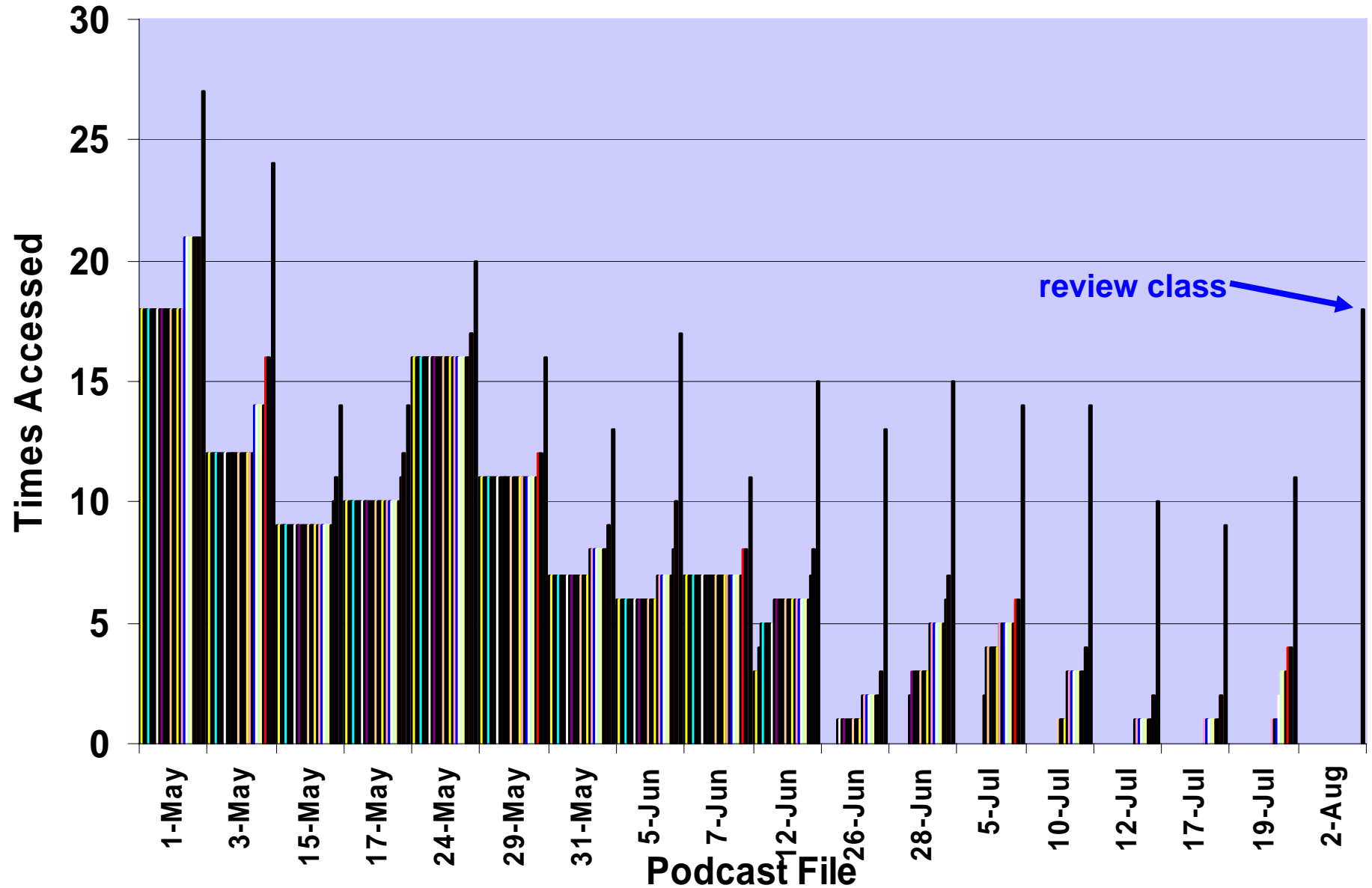
53 students



Access to Individual Podcast Folders ChE 41 S'06

June 15/06 - August 11/06

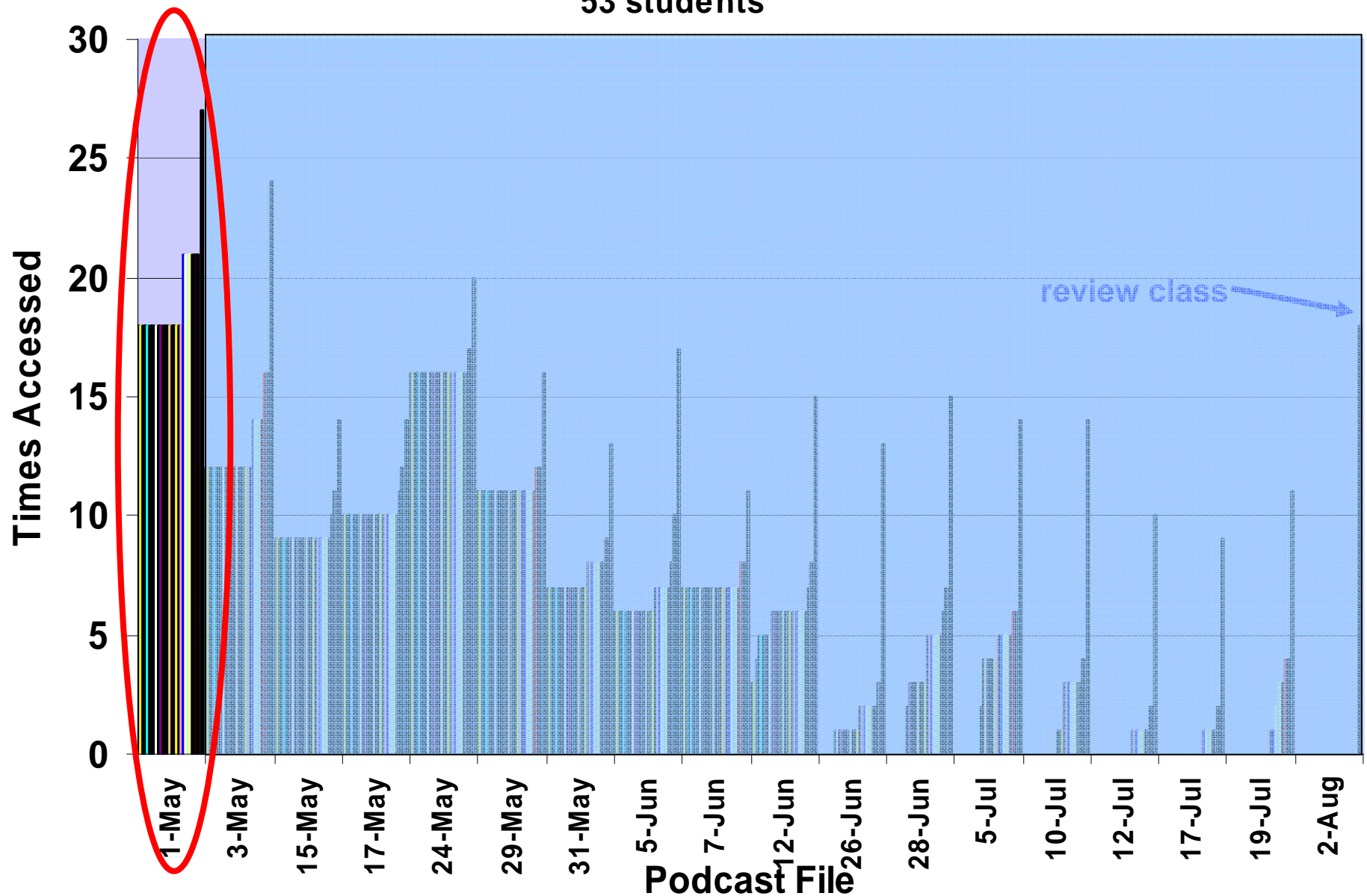
53 students



Access to Individual Podcast Folders ChE 41 S'06

June 15/06 - August 11/06

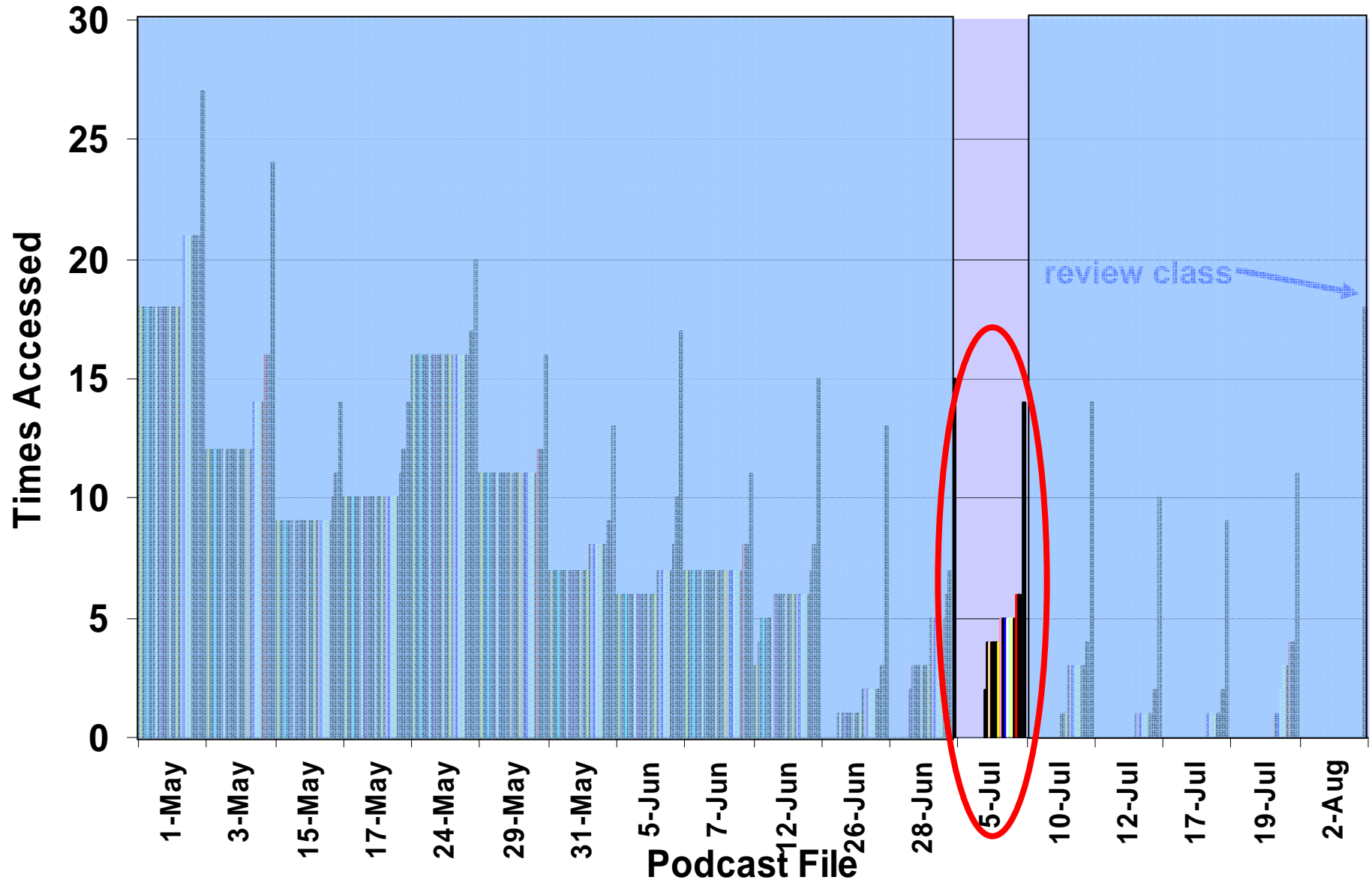
53 students



Access to Individual Podcast Folders ChE 41 S'06

June 15/06 - August 11/06

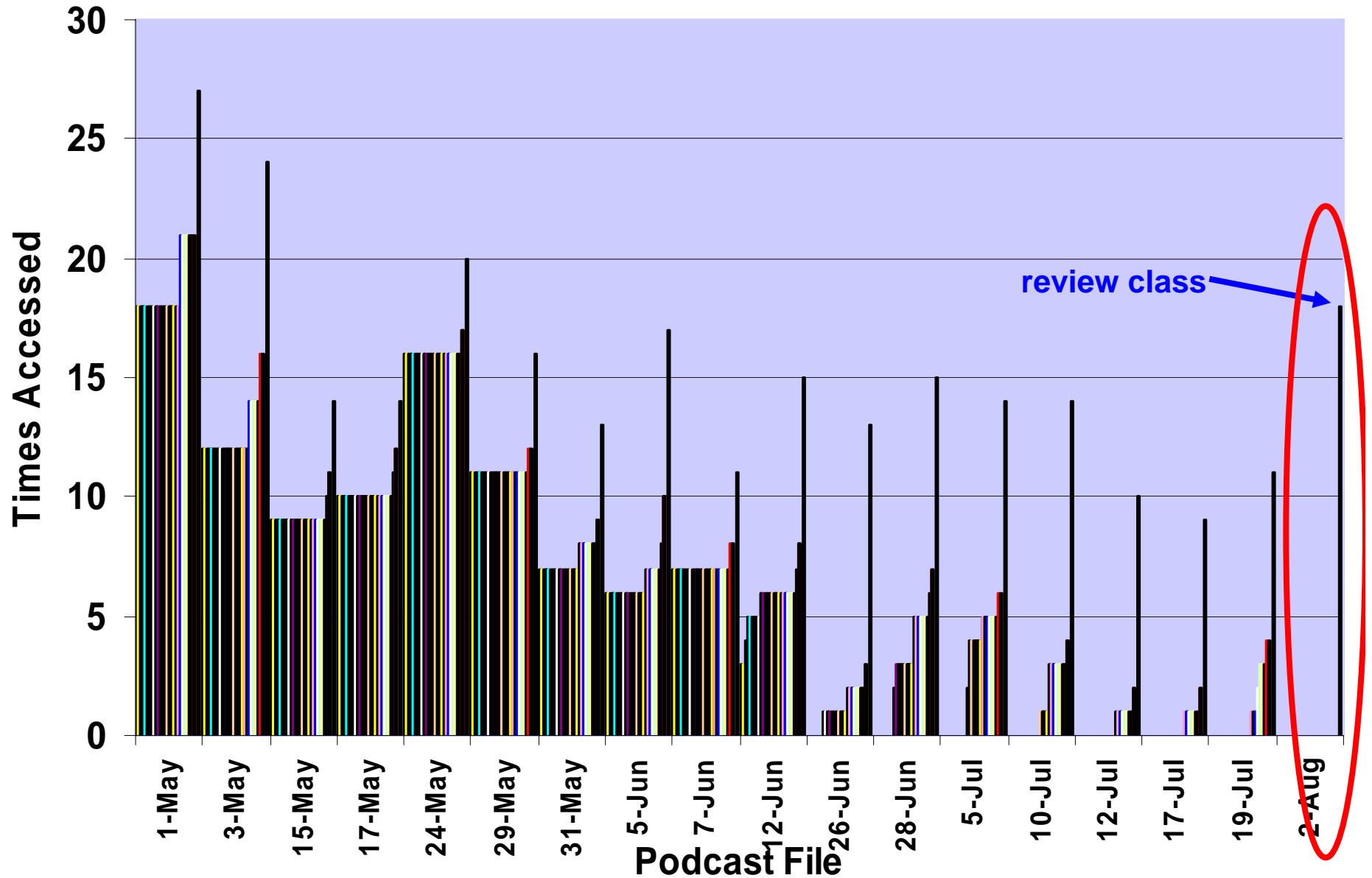
53 students



Access to Individual Podcast Folders ChE 41 S'06

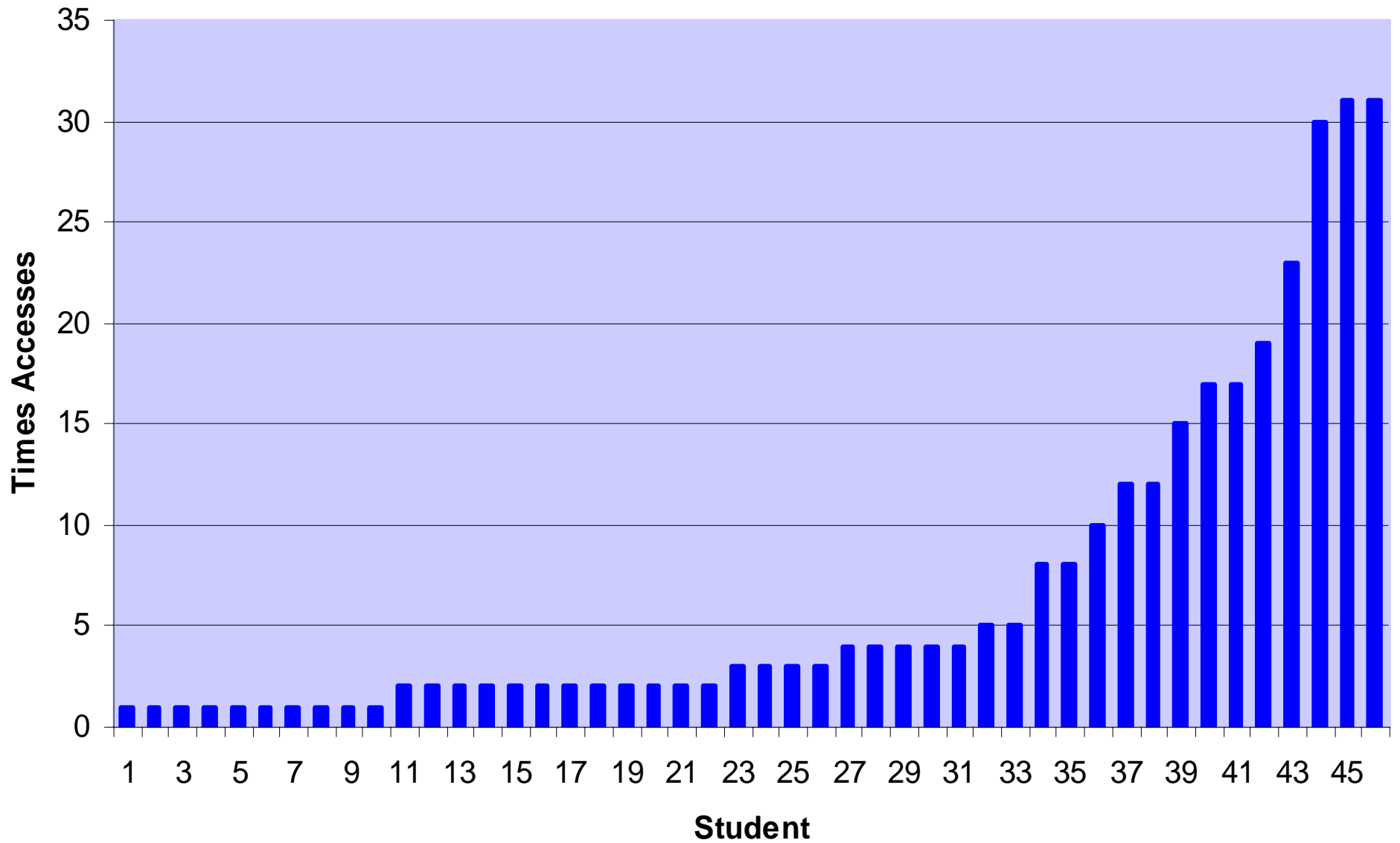
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53 students



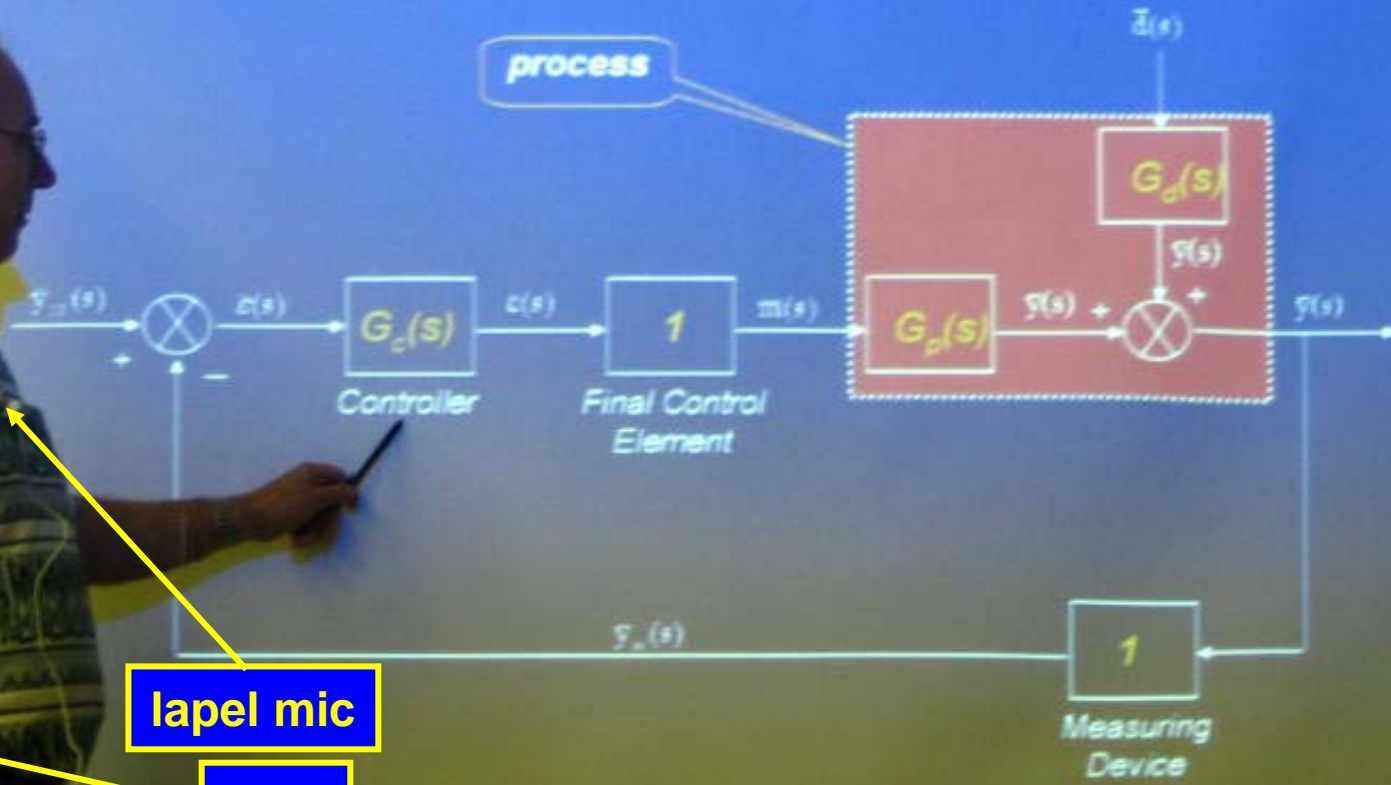
Access to Podcast Folders by Student, ChE 41 S'06

53 Students



Block diagram

valve and sensor respond instantly and with gain=1; $G(s) = 1$



lapel mic

iPod

Block diagram

valve and sensor respond instantly and with gain=1; $G(s) = 1$

$$\frac{y(s)}{y_{ref}(s)} = \frac{G_c(s) G_p}{1 + G_c(s) G_p G_m}$$

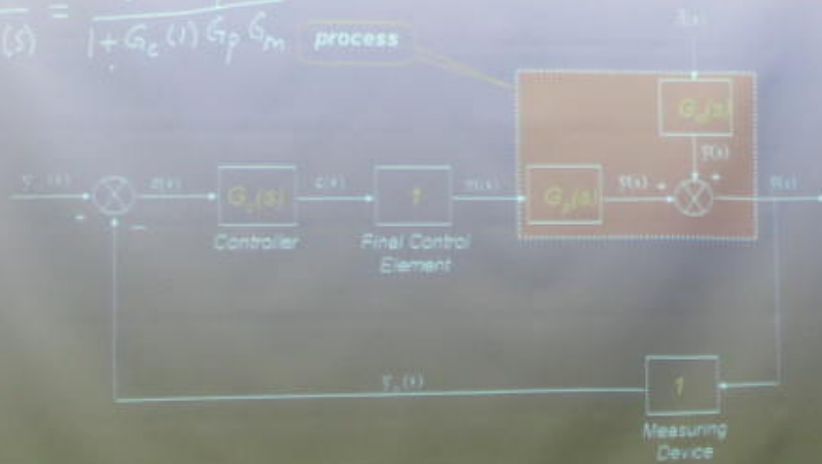


tablet computer

Block diagram

valve and sensor respond instantly and with gain=1; $G(s) = 1$

$$\frac{y(s)}{y_{sp}(s)} = \frac{G_c(s) G_p}{1 + G_c(s) G_p G_m}$$



Podcasting hardware



Griffin lapel microphone; \$40



iTalk microphone; \$40



20 Gb iPod; \$300

Acknowledgements

- ***Hazel Kennedy (Austin)***
- ***Antonia Palmer***