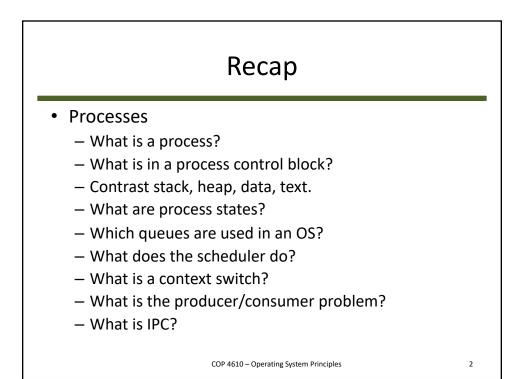
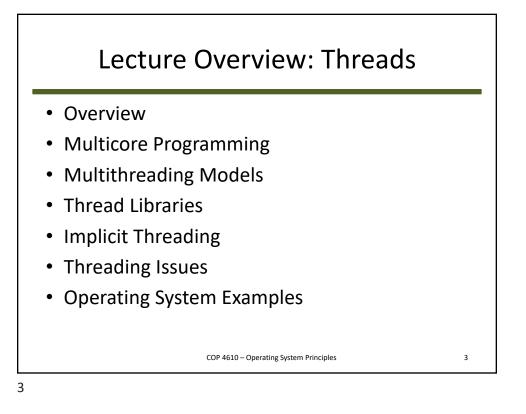
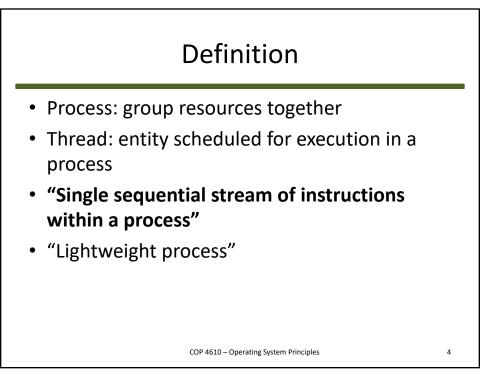
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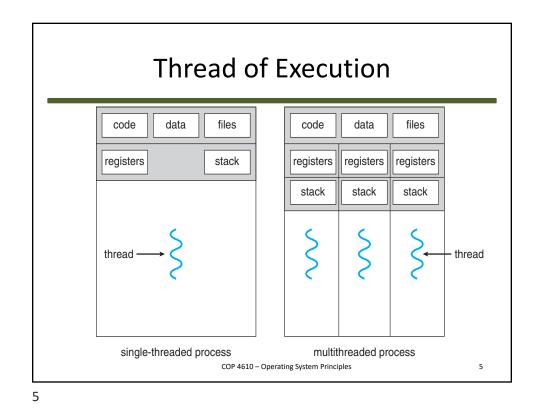
**Operating System Principles** 

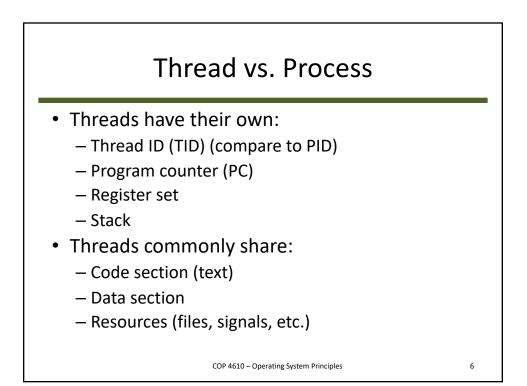
Lecture 5 – Processes / Threads

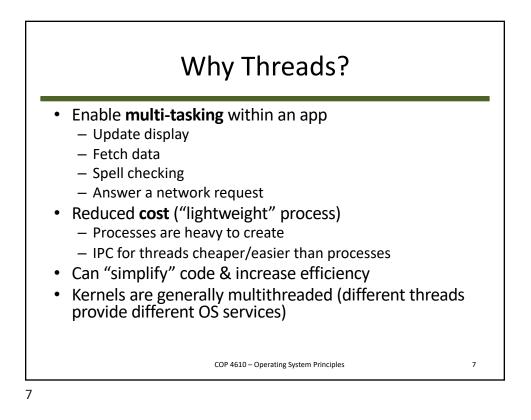


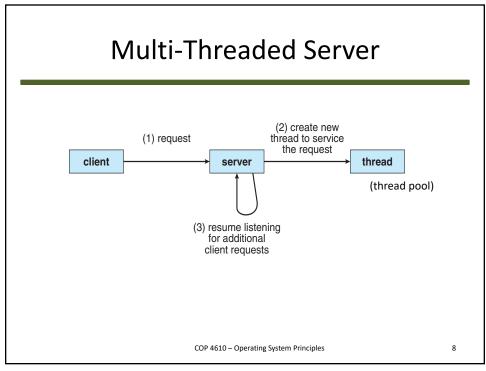


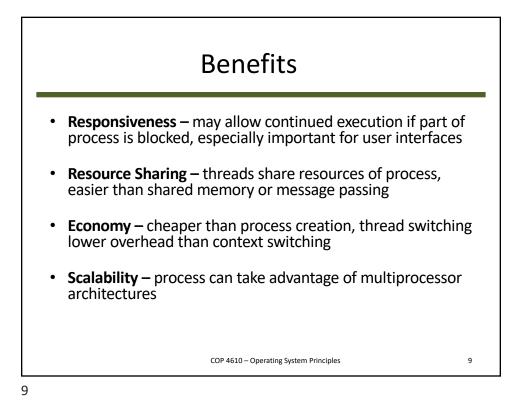


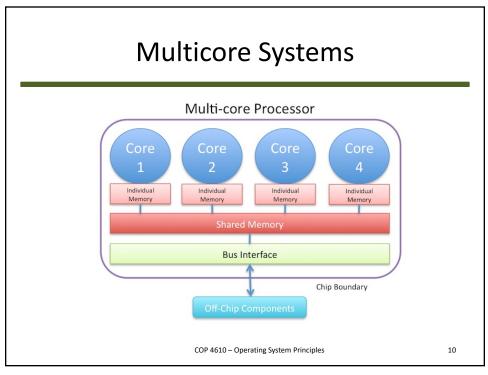


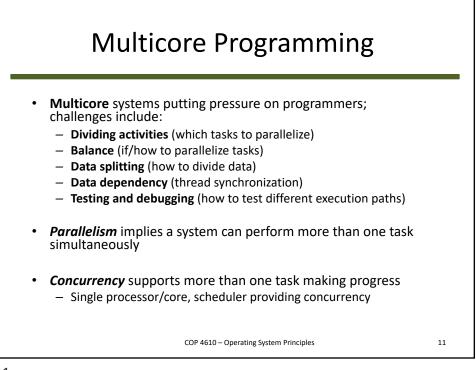


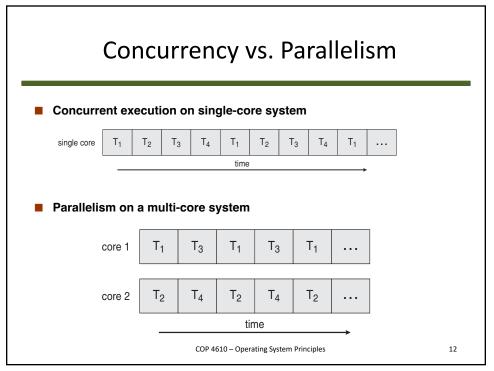


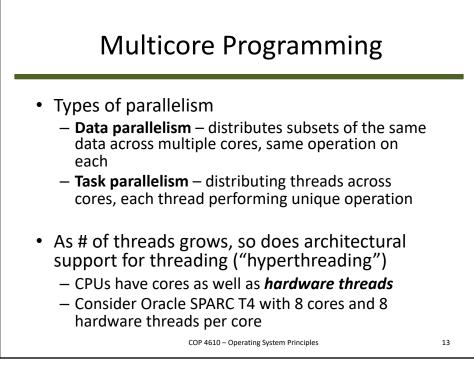


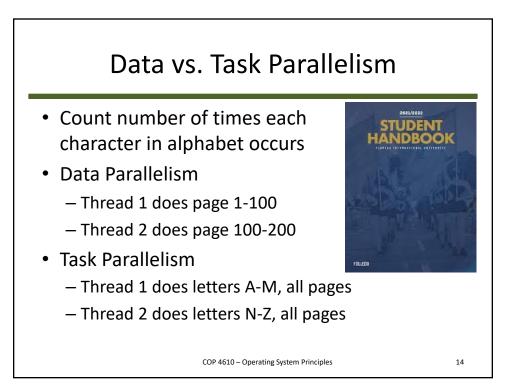


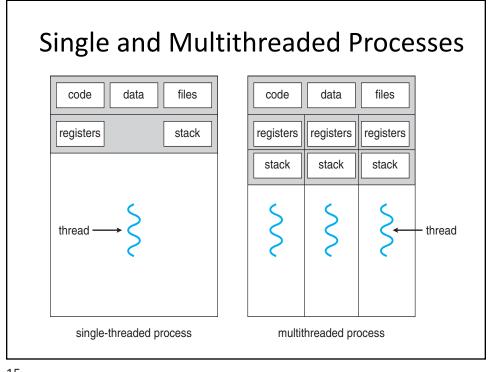




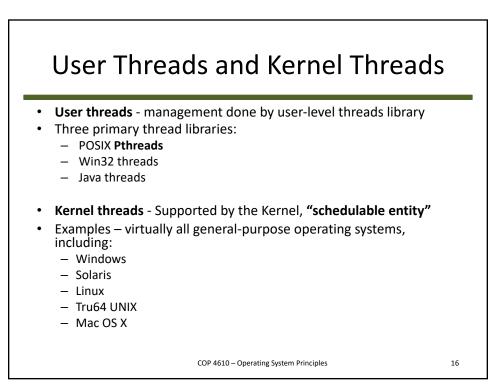


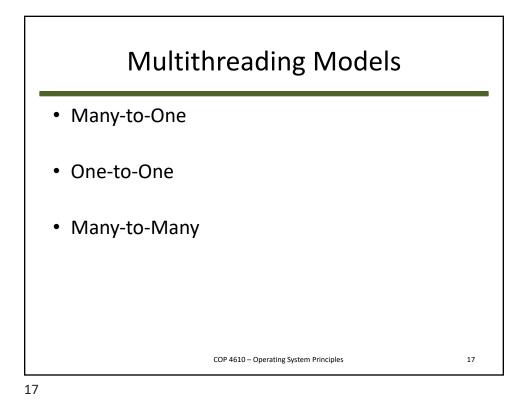


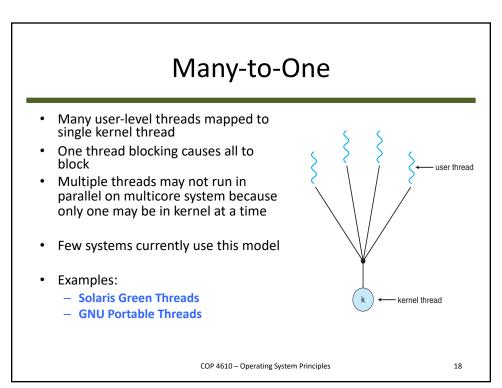


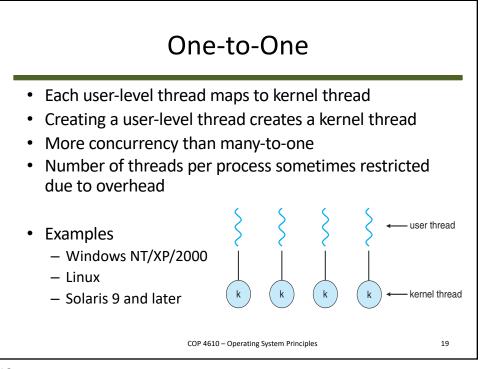


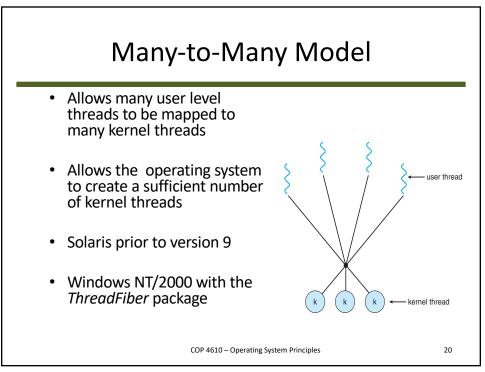


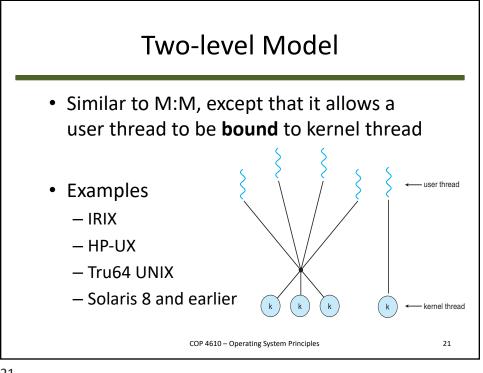


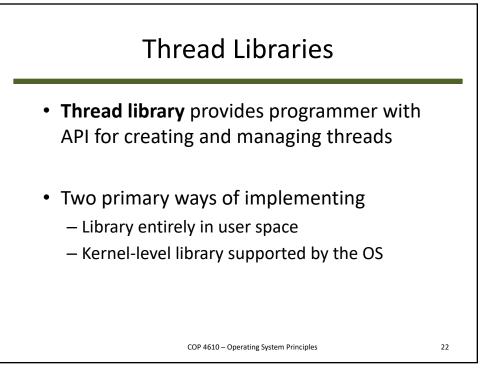


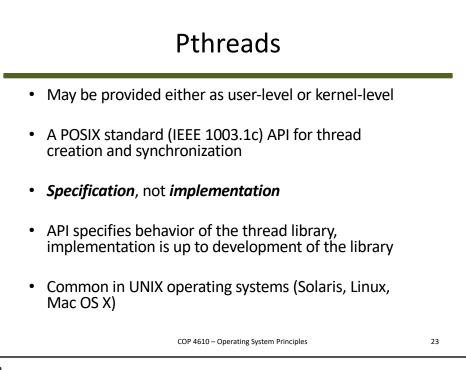












Pthreads Example	
<pre>#include <pthread.h> #include <stdio.h> int sum; /* this data is shared by the thread(s) */ void *runner(void *param); /* threads call this function */</stdio.h></pthread.h></pre>	
<pre>int main(int argc, char *argv[]) {     pthread_t tid; /* the thread identifier */     pthread_attr_t attr; /* set of thread attributes */</pre>	
<pre>if (argc != 2) {    fprintf(stderr,"usage: a.out <integer value="">\n");    return -1; } if (atoi(argv[1]) &lt; 0) {    fprintf(stderr,"%d must be &gt;= 0\n",atoi(argv[1]));    return -1; }</integer></pre>	
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