

Material Covered in EE247	
<ul> <li>Filters         <ul> <li>Continuous-time filters</li> <li>Biquads &amp; ladder type filters</li> <li>Opamp-RC, Opamp-MOSFET-C, gm-C filters</li> <li>Automatic frequency tuning</li> <li>Switched capacitor (SC) filters</li> </ul> </li> <li>Data Converters         <ul> <li>D/A converter architectures</li> <li>A/D converter</li> <li>Nyquist rate ADC- Flash, Pipeline ADCs,</li> <li>Oversampled converters</li> <li>Self-calibration techniques</li> </ul> </li> <li>Systems utilizing analog/digital interfaces         <ul> <li>Wireless communication systems- ISDN, XDSL</li> <li>Wireless communication systems- Wireless LAN, Cellular telephone,</li> <li>Disk drive electronics</li> </ul> </li> </ul>	
EECS 247 Lecture 11: Data Converters © 2004 H.K. Page 2	

























































































































