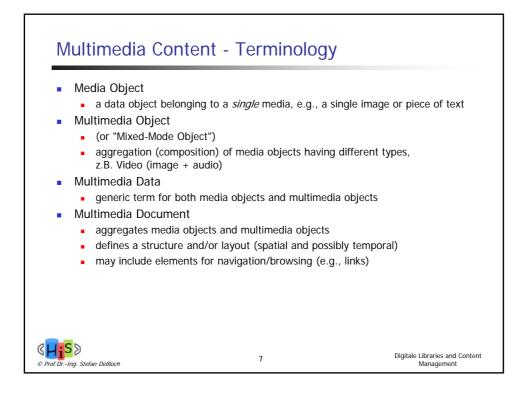
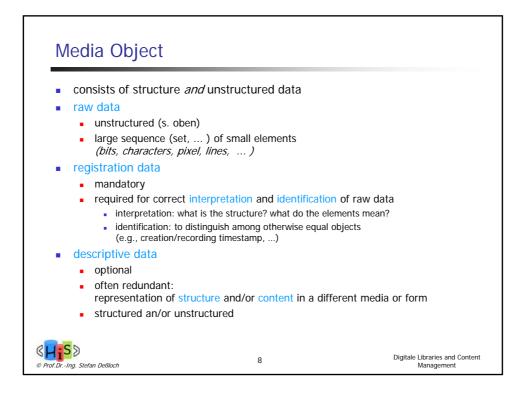
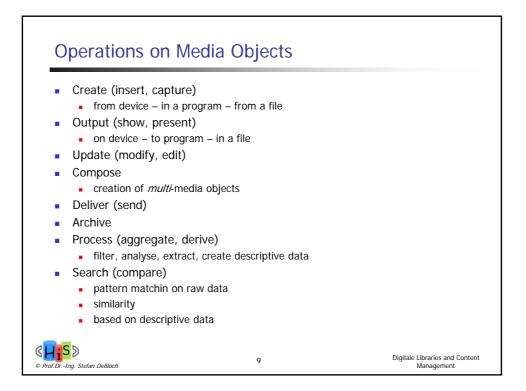


compariso	n:				
Medium	Elements	Order	Typical size	Time- dependent?	Sense
Text	printable characters	sequence	10 KB (5 p.)	no	visual/acoustic
Graphics	vectors, polygons, meshes (3D), textures	set or sequence (z-order)	10-100 KB	no	visual
Raster Image	pixel	matrix	1 MB (1024X1024)	no	visual
Audio Recording	amplitude	sequence	600 MB (audio CD)	yes	acoustic
Video-Clip	Raster Image, Graphics	sequence (script)	2 GB (30 min.)	yes	visual







Raw data
<ul> <li>pixel matrix (pixel = picture element, or "pel")</li> </ul>
Registration data
# of bits/pixel (pixel depth, usually 1, 8, or 24)
<ul> <li># of pixels/line (picture width)</li> </ul>
<ul> <li># of lines (picture height)</li> </ul>
<ul> <li>linearization: by line or column</li> </ul>
<ul> <li>pixel semantics: grayscale, color definition, index into colormap</li> </ul>
• (optional) colormap with specific number of entries, length of entries (e.g., 24 bit
<ul> <li>(optional) definition of color space (RGB, IHS,)</li> </ul>
<ul> <li>and more</li> </ul>
Descriptive data
<ul> <li>text, keywords, knowledge representation describing content</li> </ul>
<ul> <li>recognized lines, areas appearing in the image</li> </ul>
resulting 2-D objects such as circles, elipses, polygons,

