

The NCDXC Elmering Project

Course Description for 'An Introduction to Amateur Radio HF Operation'

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This first introductory course will present the basics of HF operation and discuss the importance of the HF bands to Amateur Radio. A basic explanation of the physical laws that govern HF propagation will be presented, and contrasted to those governing VHF and UHF propagation. Operation on the HF bands enables contacts across the United States and across the entire world. Computer modeling tools are available to guide the choice of bands and times to maximize the chance of reaching any desired location. These tools make it possible to keep up with friends around the world by HF amateur radio. Additionally FCC requirements for legal Amateur HF operation will be explained and the basics of assembling a functional HF Amateur Radio station will be discussed. A low cost transceiver and simple antenna is all that is required to get on the air on the HF bands.