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and experienced programmers who like the structured setting of a university environment to learn the basics of the programming language at the heart of embedded systems programming. Depending on the time of the year, course materials may include video/audio lectures, lecture transcripts, student projects/problems and solutions, online assessments, online text books and interactive simulations.

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Embedded C is basically an extension to the Standard C Programming Language with additional features like Addressing I/O, multiple memory addressing and fixed-point arithmetic, etc. C Programming Language is generally used for developing desktop applications whereas Embedded C is used in the development of Microcontroller based applications.

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Don't follow these five dangerous coding standard rules... TODO. Over the summer I happened across a brief blog post by another firmware developer in which he presented ten of his C coding rules for better embedded code. I had an immediate strong negative reaction to half of his rules and later came to dislike a few more, so I'm going to ...

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The CERT ® C and CERT C++ coding standards are secure coding practices for the C and C++ languages. Security vulnerabilities in embedded software increase chances of attacks from malicious actors. These attacks inject malware, steal information, or perform other unauthorized tasks.

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