Science of Design

Richard P. Gabriel PhD MFA

<1>

We take seriously...

...design's connection
to science and engineering...

...but rarely if ever to art.

"Invention by Design"
Henry Petroski

"The idea of design...

...is what most distinguishes...

...engineering from science...

...which concerns itself principally with understanding the world as it is."

<2>

find good designers
-know them by their works-
and study what they do

teach
software design and construction
seriously and rigorously

`<aside>`

	MSE	MFA
Semesters	3	5
Classes	10 courses	75 classes

	MSE	MFA
Manuscripts	1	1
Pieces	?	85
Dissertation?	no	yes

	MSE	MFA
Workshops	0	5 (150 hrs)
Essays	?	64

	MSE	MFA
Projects	1	5
Books Read	?	112

```html
</aside>
```

collect a literature of software
and software-intensive artifacts

create a literature and tradition
of software criticism
and software design theory

engage
the software patterns community

"Science"

<wink, wink, nudge,nudge, say no more>

of Design