

The background features a stylized DNA double helix in shades of blue and red, overlaid on a grid of white binary code (0s and 1s) on a dark red background. A yellow horizontal band is positioned at the top, containing the title.

Introduction

James Boyle & Jennifer Jenkins

**INTELLECTUAL PROPERTY:
LAW & THE INFORMATION SOCIETY**
Cases and Materials, 2nd Edition

An Open Course Book.



Introduction

This book is an introduction to intellectual property law, the set of private legal rights that allows individuals and corporations to control intangible creations and marks—from logos to novels to drug formulæ—and the exceptions and limitations that define those rights. It focuses on the three main forms of US federal intellectual property—trademark, copyright and patent, with a chapter on state trade secret protection and preemption—but many of the ideas discussed here apply far beyond those legal areas and far beyond the law of the United States. The cases and materials will discuss the lines that the law of the United States draws; when an intellectual property right is needed, how far it should extend and what exceptions there should be to its reach. But those questions are closely linked to others. How should a society set up its systems for encouraging innovation? How should citizens and policy makers think about disputes over the control of culture and innovation? How do businesses re-imagine their business plans in a world of instantaneous, nearly free, access to many forms of information? How should they do so? And those questions, of course, are not limited to this country or this set of rules. They should not be limited to the law or lawyers, though sadly they often are.

A word on coverage: An introductory class on intellectual property simply does not have time or space to cover everything. This course is designed to teach you basic principles, the broad architectural framework of the system, the conflicting policies and analytical tools that will be useful no matter what technological change or cultural shift tomorrow brings. (Imagine the lawyer who started practicing in the late 1970s and had to deal with cable TV, a global internet, digital media, peer to peer systems, genetic engineering, synthetic biology . . . but also with viral marketing, the culture of “superbrand” identity, cybersquatting and social media. You will be that lawyer, or that citizen. Your world will change that much and you will need the tools to adapt.) But to do so it has to omit large swaths of detail. For example, standard form, “click to accept,” contracts and licenses are extremely important in the world of digital commerce, but will be covered only to the (important) extent they intersect with intellectual property law. Even within the topics that are covered, the approach of the class is highly selective. We will cover the basic requirements for getting a trademark, and the actions that might—or might not—violate that right. But we will not cover the complexities of trademark damages and injunctions, international trademark practice or the fine detail of the ways that Federal and state trademark law interact. Copyright law is full of highly specialized provisions — applying special rules to cable television stations or music licenses, for example. We will be mentioning these only in passing. Similarly, patent law is an enormously complex field;

there entire courses just on the details of patent drafting, for example, and there is a separate “patent bar” exam for registered patent attorneys and agents. This class will touch only on the basics of patentable subject matter, and the requirements of utility, novelty, and non-obviousness.

As we will explain in a minute, one feature of this book makes this selectivity in coverage less of a problem. Because this is an “open” casebook, an instructor can take only those chapters that he or she finds of interest and can supplement, delete or edit as she wishes.

Comparison of the Three Main Forms of Federal Intellectual Property

	TRADEMARK	COPYRIGHT	PATENT
<i>Constitutional and Statutory Basis</i>	Commerce clause, Lanham Act. (There are also state trademarks.)	IP Clause, Copyright Act	IP clause, Patent Act
<i>Subject Matter</i>	Word, phrase, symbol, logo, design etc. used in commerce to identify the source of goods and services	Creative works – for example, books, songs, music, photos, movies, computer programs	Inventions – new and useful processes, machines, manufactured articles, compositions of matter. Not abstract ideas or products/laws of nature
<i>Requirements for Eligibility</i>	Not generic (or merely descriptive without secondary meaning), identifies source of product or service, used in commerce	Original expression, fixed in material form	Useful, novel and non-obvious to a person having ordinary skill in the art (PHOSITA)
<i>Rights</i>	Basic trademark right only <i>vis a vis</i> a particular good or service. Bass for beer, not ownership of word “Bass.” Prevent others from using confusingly similar trademarks; for famous marks, prevent others from “diluting” the mark. Also prohibitions against false or misleading advertising.	Exclusive rights to copy, distribute, make “derivative works”, publicly perform and publicly display. Possibly new right to stop circumvention of digital ‘fence’ protected © works.	Exclude others from making, using, selling or importing invention
<i>Duration</i>	If renewed and continually used in commerce, can be perpetual.	Life plus 70 years; 95 years after publication for corporate works	20 years for utility patents
<i>How Rights are Procured</i>	USPTO trademark registration process for ® status, though common law rights are recognized absent registration	Creation and fixation in a tangible medium; registration is not required to get copyright (but is required for suit to enforce)	USPTO patent application process
<i>Examples of Limitations and Exceptions</i>	Genericity, nominative fair use, parodic use	Idea and fact/expression distinction, scenes a faire, fair use, first sale	Abstract knowledge in patent application disclosed freely. Subsequent inventors can “build on” patented invention and patent result without permission. Both inventors must consent to market resulting compound invention.

Basic Themes: Three Public Goods, Six Perspectives

This book is organized around a debatable premise; that it is useful to group together the three very different types of property relations that comprise Federal intellectual property law—trademark, copyright and patent. A chart that summarizes their main features is on the previous page. Obviously, trademarks over logos are very different from copyrights over songs or patents over “purified” gene sequences. The rules are different, the constitutional basis changes, the exceptions are different and there is variation in everything from the length of time the right lasts to the behavior required to violate or trigger it. Why group them together then? The answer we will develop depends on a core similarity—the existence of a “good”—an invention, a creative work, a logo—that multiple people can use at once and that it is hard to exclude others from. (Economists refer to these as “public goods” though they have more technical definitions of what those are.) Lots of people can copy the song, the formula of the drug, or the name Dove for soap. But the approach in this book also depends on the *differences* between the goals of these three regimes and the rules they use to cabin and limit the right so as to achieve those goals. The idea is that one gains insight by comparing the strategies these very different legal regimes adopt. The proof of that pudding will be in the eating. Our readings will also deal with the claim that the term “intellectual property” actually causes more harm than good.

This book is built around six perspectives. Some are introduced as separate chapters, while others are woven into the materials and the problems throughout the entire class. The first deals with the main rationales for (and against) intellectual property. The second focuses on the constitutional basis for, and limitations on, that property in the United States. The third is the substance of the course; the basic doctrinal details of trademark, copyright and patent. The fourth concentrates on the way that intellectual property law reacts dynamically to changes in technology. We will focus on what happens when trademark law has to accommodate domain names, when copyright—a legal regime developed for books—is expanded to cover software and when patent law’s subject matter requirements meet the networked computer on the one hand and genetic engineering on the other. In particular, the copyright portion of the course, which takes up the largest amount of material, will detail extensively how judges and legislators used the limitations and exceptions inside copyright law to grant legal protection to those who create software, while trying to minimize anti-competitive or monopolistic tendencies in the market. The fifth deals with the metaphors, analogies, similes and cognitive “typing” we apply to information issues. This is an obviously artificial property right created over an intangible creation; the way that the issue is framed—the baselines from which we proceed, the tangible analogies we use—will have a huge influence on the result. Finally, the conclusion of the course tries to synthesize all of these perspectives to point out prospects, and guiding principles, for the future.

An Open Course Book?

This book is made available under a Creative Commons Attribution, Non Commercial, Share-Alike license. Later in the semester, you will be able to engage in learned discussion of this arrangement. You will be able to work out what the copyright on the book does and does not cover (hint, Federal legal materials are in the public domain), why (and how) the license is enforceable, and what rights you would have even in the absence of a license (such as the right to quote or criticize). At the moment, all you need to know is this. You are free to copy, reprint or reproduce this book in whole or part, so long as you attribute it correctly (directions are given on the copyright page) and so long

as you do not do so commercially, which we interpret to mean “for a direct profit.” In other words, you can print copies and distribute them to your students or your friends (who apparently have very geeky interests) at the cost of reproduction, but you may not make a competing commercial edition and sell it for a profit. You can also modify this book, adding other material, or customizing it for your own class, for example. But if you do modify the book, you must license the new work you have created under the same license so that a future user will receive your version with the same freedoms that you were granted when you received this version.

Why do we do this? Partly, we do it because we think the price of legal casebooks and materials is obscene. Law students, who are already facing large debt burdens, are required to buy casebooks that cost \$150–\$200, and “statutory supplements” that consist mainly of unedited, public domain, Federal statutes for \$40 or \$50. (To be fair, some statutory supplements include useful appendices and explanations of particular technologies or fields of regulation. Many do not, however.) The total textbook bill for a year can be over \$1500. This is not a criticism of casebook authors, but rather of the casebook publishing system. We know well that putting together a casebook is a lot of work and can represent considerable scholarship and pedagogic innovation. We just put together this one and we are proud of it. But we think that the cost is disproportionate and that the benefit flows disproportionately to conventional legal publishers. Some of those costs might have been more justifiable when we did not have mechanisms for free worldwide and almost costless distribution. Some might have been justifiable when we did not have fast, cheap and accurate print on demand services. Now we have both. Legal education is already expensive; we want to play a small part in diminishing the costs of the materials involved.

We this casebook is available two forms. First, it can be digitally download for free. No digital rights management. No codes. No expiring permissions. Second, it is available in a low cost but high quality paperback version for about \$35—which given the possibility of resale, might make it an environmentally attractive alternative to printing out chapters and then throwing them away. (The companion statutory supplement will be available under a similar arrangement—though it will be under a license that is even more open.) We also hope both of these options are useful for those who might want to use the books outside the law school setting. The casebook and the statutory supplement will be available for a combined price close to \$45, which is nearly \$200 below the price of the leading alternatives in those categories. Those who do not want, or cannot afford, to pay that price can use the free digital versions.

The price of this book is intended to be a demonstration of just how fundamentally unreasonable casebook costs are. We are making the digital version freely available and trying to price the paper version inexpensively, but we entirely support those authors who wish a financial reward. We calculate that they could actually set the price of an 825 page book \$100 cheaper than the average casebook today (albeit in paperback) and still earn a higher royalty per book than they currently earn. They could even make the digital version freely available and do nicely on print sales, while benefiting in terms of greater access and influence. Our point is simply that the current textbook market equilibrium is both unjust and inefficient. Students are not the only ones being treated unfairly, nor is the market producing the variety or pedagogical inventiveness one would want. One practical example: using current print on demand technology, images are as cheap as words on the page. This book has many of them. It is *useful* to see the *Lotus v. Borland* menus, the Redskins trademarks, the “food-chain Barbie” pictures, the actual article from *Harper & Row v. Nation Enterprises*, to see the logos at stake in the trademark cases, the allegedly copyrighted

sculptures on which people park their bikes, or a graphic novel version of the *de minimis* controversy in musical sampling. Conventional casebooks will have one or two illustrations—and the publishers might even charge their authors for including them. Our point is that the casebook is not just vastly overpriced, it is awkward, inflexible, lacking visual stimulus, incapable of customization and hard to preview and search on the open web. Even if this book is flawed (and it is) it is an example of what *can be done*. There are others. We are not the first to try and make open source educational material or even casebooks. We would like to thank the good folk at Creative Commons and MIT Open Courseware, Barton Beebe, Bryan Frye, Lydia Loren, CALI's eLangdell, Jordi Weinstock, Jonathan Zittrain, and the H2O project at Harvard for giving us ideas and inspiration.

We also have the hope that the inexorable multiplication of projects such as these will be an aid to those still publishing with *conventional* textbook publishers. To the casebook author trapped in contracts with an existing publishing house: remember when you said you needed an argument to convince them to price your casebook and your supplement more reasonably? Or an argument to convince them to give you more options in making digital versions available to your students in addition to their print copies, but without taking away their first sale rights? Here is that argument. There are many more either already out there or in the pipeline. Traditional textbook publishers *can* compete with free. But they have to try harder. We will all benefit when they do.

We hope that the tools of casebook assessment and distribution can also change for the better. In the world we imagine, professors will be able instantly to browse, search within and assess the pedagogical suitability of a free digital version of a casebook online. Perhaps this will put a merciful end to the never-ending cascade of free but unread casebooks in cardboard mailing boxes, and charming but unwelcome casebook representatives in natty business suits—the 1950's distribution mechanism for the casebook in the halls of the 21st century law school. That mechanism needs to go the way of the whale oil merchant, the typing pool and the travel agent. To the extent that the “justification” offered for today's prices is that they are needed to pay for the last century's distribution methods, we would have to disagree politely but emphatically.

But we have another goal, one that resonates nicely with the themes of the course. Most authors who write a casebook feel duty-bound to put in a series of chapters that make its coverage far more comprehensive than any one teacher or class could use. Jane Scholar might not actually teach the fine details of statutory damages in copyright, and whether they have any constitutional limit, but feels she has to include that chapter because some other professor might think it vital. As a result, the casebook you buy contains chapters that will never be assigned or read by any individual instructor. It is like the world of the pre-digital vinyl record. (Trust us on this.) You wanted the three great songs, but you had to buy the 15 song album with the 9 minute self-indulgent drum solo. This book contains the material *we* think vital. For example, it has introductory sections on theoretical and rhetorical assumptions that we think are actually of great practical use. It spends more time on constitutional law's intersection with intellectual property or the importance of limitations and exceptions to technological innovation than some other books, and way less on many other worthy topics. Because of the license, however, other teachers are free to treat the casebook in a modular fashion, only using—or printing—the chapters, cases and problems they want, adding in their own, and making their own “remix” available online as well, so long as they comply with the terms of the license.

Structure and Organization

A word about the organization of the book: Each chapter has a series of problems.

The problems bring up issues that we want you to think about as you read the materials. Some are intended to “frame” the discussion, others to allow you to measure your mastery of the concepts and information developed, or to deepen your understanding of the analytical and argumentative techniques the book sets forth. The problems are covered under the same license—you should feel free to extract them, even if you do not use the book.

The open licensing arrangement of the book means that we include little material that is not either public domain, written by the authors themselves, or available under a Creative Commons license. But since that same licensing arrangement allows for near infinite customization by users, we hope that is not too much of a problem. We include short excerpts from *The Public Domain*—also Creative Commons licensed and freely downloadable—with hyperlinks to the full versions of those readings. We use it as a companion text in the course. The excerpts provide historical and theoretical background keyed to the discussion and the problems. Instructors and readers who wish to omit those readings, or to insert other secondary materials, should just ignore them.

Some acknowledgements: We would like to thank Mr. Balfour Smith, the coordinator of the Center for the Study of the Public Domain at Duke Law School for his tireless editorial efforts, for navigating the publishing process and for his nifty cover designs.

We would like to thank generations of students—not only at Duke—for patiently teaching their teachers what works and what does not. (Sorry if we still do not have that entirely nailed down yet.) And just to show how grateful we are to other casebook authors, even if not to the current casebook publishing system, we would like to thank our predecessors for teaching us how hard it is to make a good casebook and how important one can be. Particular thanks in that regard go out to Julie Cohen, Rochelle Dreyfuss, Paul Goldstein, Edmund Kitch, Roberta Kwall, David Lange, Mark Lemley, Jessica Litman, Robert Merges, and Peter Menell. Special thanks to Dana Remus, Joseph Blocher, James Grimmelman, Kathy Strandburg, Amy Kapczynski, Josh Walton, and David Dame-Boyle for being test readers or intrepid early adopters. Finally, James thanks Jennifer and Jennifer thanks James. Aww.

If you adopt the book, or any part of it, please let us know. Comments to boyle [AT] law.duke.edu will always be welcome, particularly if you can tell us why certain chapters or exercises were helpful or not helpful to you as an instructor or student. Tell us about your customizations—the ease of adaptation and revision is another reason to like this method of publication. Digital versions will be available at <http://web.law.duke.edu/cspd/openip>.

Note on the Second Edition:

Apart from the normal updates based on recent decisions, the second edition adds a chapter on trade secrets and an extended discussion of Federal preemption. Thanks to our readers for suggesting that and other helpful changes.

James Boyle
Jennifer Jenkins
Durham, NC, June 2015