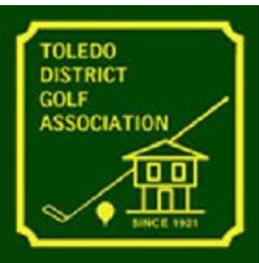


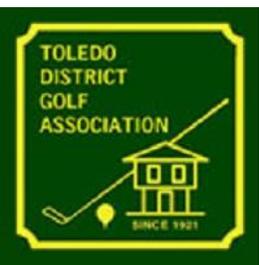
# TDGA Forum on Course Rating, Adjudication of Par, and Stroke Allocation

Presented by Tod Burhans and Marianne Reece



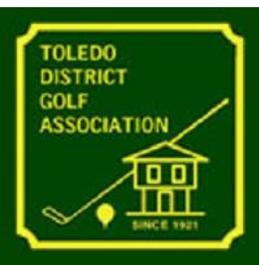
# AGENDA

- Introduction
- Brief Overview of CRS
- Adjudication of Par
- Stroke Index Allocation
- The New World Handicap System Overview
- Course Handicap Calculations
- Summation & Recommendations



# INTRODUCTION

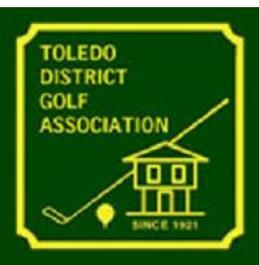
Beginning January 1, 2020, The USGA's Course Rating System will be renamed to The Course Rating System, will be used throughout the world and as the foundation of the new World Handicap System. Changes to The Course Rating System will be introduced in 2020.



# Course Rating

How do we rate a course?

- Each hole is rated on a series of 10 obstacles
- Obstacle values range from 0 (doesn't exist) to 10 (really, really hard)
- Rule changes in 2019 changed the obstacles



# Course Rating

The Obstacles:

Hole Length

Topography

Landing Zone Widths

Green Target (Size)

Rough & Recoverability

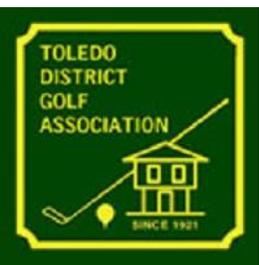
Bunkers

Penalty Zone Carry

Lateral Obstacles

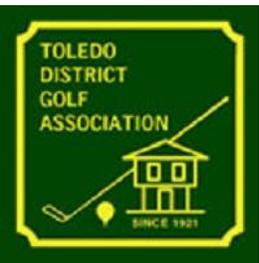
Trees

Green Speed and Slope



# Course Rating

Questions  
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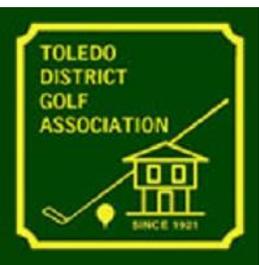


# Course Rating – The Adjudication of Par

The USGA has created the table below for us (Raters) to use as a standard to determine Par values:

Par	Men	Women
3	Up to 260 yards	Up to 220 yards
4	240 to 490 yards	200 to 420 yards
5	450 to 710 yards	370 to 600 yards
6	670 yards and up	570 yards and up

These are Guidelines, not Rules.



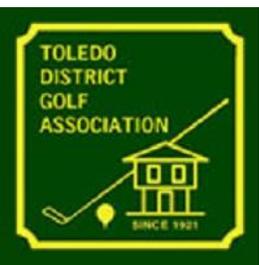
# Course Rating – The Adjudication of Par

Brandywine, Hole Number 5

Tee	Yardage	Par
Blue Tee	550	5
White Tee	450	5
Gold Tee	405	5

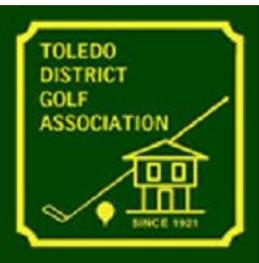
Tee	Yardage	Par
Blue Tee	550	5
White Tee	450	4
Gold Tee	405	4

These are Guidelines, not Rules.



# Course Rating

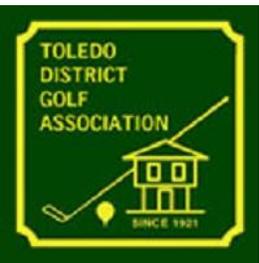
Questions  
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# Course Rating – Stroke Index Allocation

It is recommended that a *stroke index* allocation be applied over 18-holes, split into six triads with each hole ranked on its playing difficulty relative to *par*.

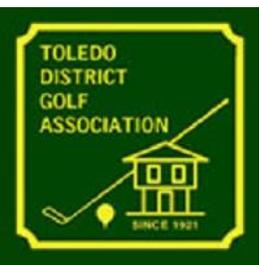
From the USGA Handicap Manual, Appendix E



# Course Rating – Stroke Index Allocation

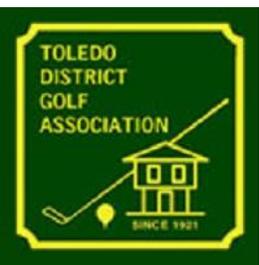
The recommended methodology and procedures for determining a *stroke index* allocation within the six triad structure, designed to accommodate both stroke play and match play formats, is as follows:

- Apply odd *stroke index* allocations over the front nine and even *stroke index* allocations over the back nine. If, however, the back nine is significantly more difficult than the front nine, as determined by the *Course Rating*, the even *stroke index* allocations can be switched to the front nine and the odd *stroke index* allocations to the back nine.
- Spread *stroke index* allocations evenly over the 18 holes so that players receiving strokes will have the opportunity to use a high proportion of these strokes before a match result has been decided.



# Course Rating – Stroke Index Allocation

- Apply the lowest *stroke index* hole (1 or 2) on each nine in the middle triad. If no hole within the middle triad is ranked within the lowest 6 holes relative to *par*, then it can be moved into an adjacent hole at the end of the first triad or the beginning of the third triad on each nine.
- Apply the second lowest *stroke index* hole (3 or 4) on each nine in either the first or third triad, unless the lowest *stroke index* hole has been allocated in that same triad.
- If possible, avoid low *stroke indexes* (6 or less) on consecutive holes.
- When a player receives more than 18 strokes, the same allocation order is used with *stroke index* 1 repeating as *stroke index* 19, 37 and 55, with all additional strokes going up sequentially.



# Course Rating – Stroke Index Allocation

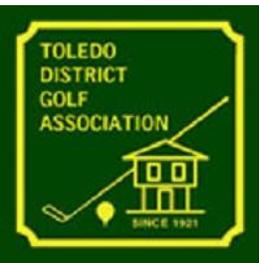
The difficulty of each hole can be determined objectively using hole-by-hole data provided from the *Course Rating* procedure as follows:

Scratch Value + Bogey Value – (2 x *par*)

For example, on a *par* 4 hole where the Scratch Value is 4.2 and the Bogey Value is 5.3:

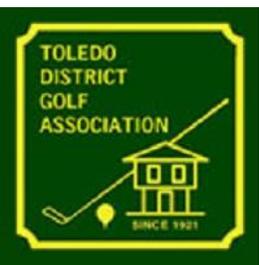
$4.2 + 5.3 - (2 \times 4) = 1.5$  over *par*

**Why is this important?**



# Course Rating – Stroke Index Allocation

Slope Index values must be entered to enable hole by hole score posting – important to catch net double scores properly



# Course Rating – Stroke Index Allocation

Schedule Publishing

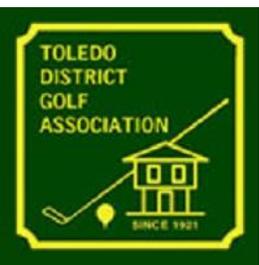
HOLES #	FIRST NINE									SECOND NINE								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Male	17	9	15	5	7	11	13	1	3	6	18	2	8	16	10	12	14	4
Female	15	13	9	17	7	11	3	5	1	8	18	4	6	14	10	12	16	2

PUBLISHED: 20-NOV-2019

Male - Override

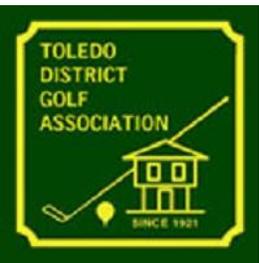
Female - Override

HOLES #	FIRST NINE									SECOND NINE								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Male	17	9	15	5	7	11	13	1	3	6	18	2	8	16	10	12	14	4
Female	15	13	9	17	7	11	3	5	1	8	18	4	6	14	10	12	16	2



# Course Rating

Questions  
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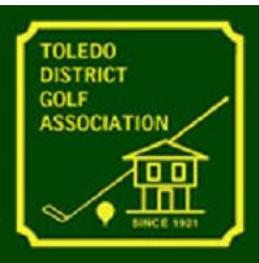


# The World Handicap System – 5 Things to Know

*Beginning in 2020 a brand-new set of Rules for Handicapping will be introduced globally*

## 1. Your Handicap Index may change.

But that's ok! Finally, players around the world will have an apples-to-apples handicap. Your new Handicap Index will be more responsive to good scores by averaging your eight best score out of your most recent 20 (currently, it's 10 out of 20 with a .96 multiplier). In short, your Handicap Index will be determined by your demonstrated ability and the consistency of scores. In most cases for golfers in the U.S., it will change less than one stroke.

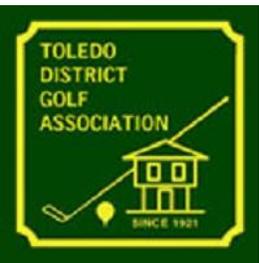


# The World Handicap System – 5 Things to Know

*Beginning in 2020 a brand-new set of Rules for Handicapping will be introduced globally*

## 2. **You will need to know your Course Handicap.**

In the new system, your Course Handicap will be the number of strokes needed to play to par. This will result in greater variance in that number and presents a change, as historically it has represented the number of strokes needed to play to the Course Rating. This is a good thing, as par is an easy number to remember. Target score for the day? Par plus Course Handicap. The Course Rating will now be inherent within the calculation to be more intuitive and account for competing from different tees.



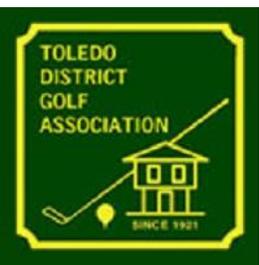
# The World Handicap System – 5 Things to Know

*Beginning in 2020 a brand-new set of Rules for Handicapping will be introduced globally*

### 3. **Net Double Bogey Replaces Equitable Stroke Control.**

The maximum hole score for each player will be limited to a Net Double Bogey. This adjustment is more consistent from hole to hole than the Equitable Stroke Control procedure. Net Double Bogey is already used in many other parts of the world and the calculation is simple:

Par + 2 + any handicap strokes you receive.

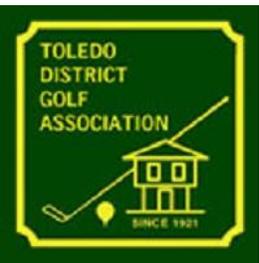


# The World Handicap System – 5 Things to Know

*Beginning in 2020 a brand-new set of Rules for Handicapping will be introduced globally*

## **4. Your Handicap Index will be revised daily.**

One way that handicapping is being modernized is a player's Handicap Index will update daily (which will provide a fairer indication of a player's ability in the moment), if the player submitted a score the day before. On days where the player does not submit a score, no update will take place.

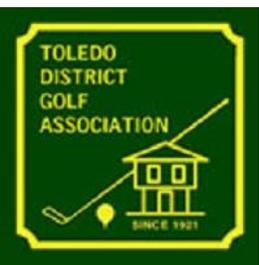


# The World Handicap System – 5 Things to Know

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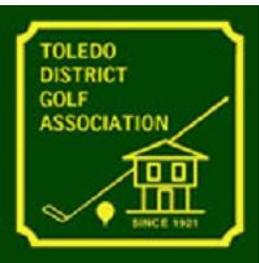
## 5. **Safeguards in the new system.**

The new system will limit extreme upward movement of a Handicap Index, automatically and immediately reduce a Handicap Index when an exceptional score of at least 7 strokes better is posted, and account for abnormal course or weather conditions to ensure that scores reflect when a course plays significantly different than its established Course Rating and Slope Rating. These safeguards help maintain accuracy of a Handicap Index, greater integrity within the system and promote fun and fair play for golfers of all abilities



# Course Rating

Questions  
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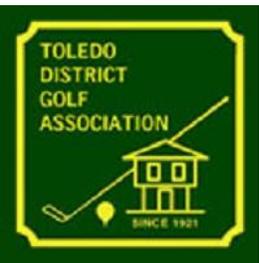


# Handicap Calculations

Today (2019) – Index \* Slope / 113

January 1 – Index \* Slope /113 + (CR – Par)

In a mixed tee event add the difference in  
Pars to the player playing the higher  
number

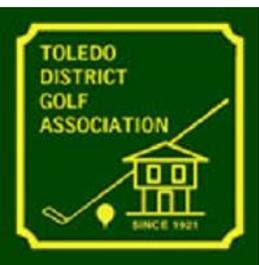


# Handicap Calculations 2019

White Tee	Par 72 70.4/130
Gold Tee	Par 72 67.4/124

Difference in Ratings – 3

Today we would either add 3 strokes to the White Tee player or take 3 away from the Gold Tee player under Handicap Rule 3.5



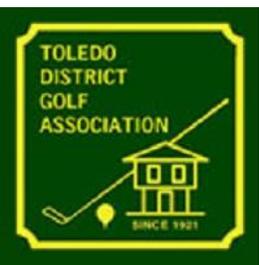
# Handicap Calculations 2020

White Tee	Par 72	70.4/130
Gold Tee	Par 72	67.4/124

Difference in Par - 0

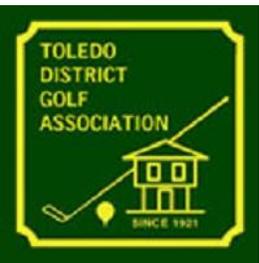
In January, we would make no adjustment after calculating the Course Handicaps because Handicap Rule 3.5 will no longer exist.

But what if Par changes?



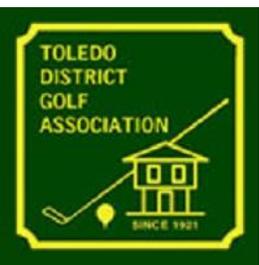
# Course Rating

Questions  
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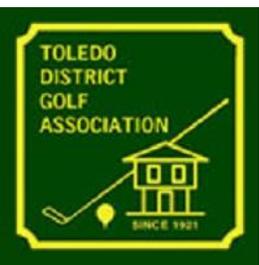
# Handicap Calculations 2019 vs. 2020

	2019	2020	2020	2020
Rating	67.4	67.4	67.4	67.4
Slope	124	124	124	124
Par	72	72	70	68
Index	27.2	27.2	27.2	27.2
CH	30	25	27	29
PH	27	25	27	29
Rating	70.4	70.4	70.4	70.4
Slope	130	130	130	130
Par	72	72	72	70
Index	10.9	10.9	10.9	10.9
CH	13	11	11	13
Par ADJ	0	0	2	2
PH	13	11	13	15
Diff	14	14	14	14



# Handicap Calculations – Effect on Tournament Play

	Old Pal (Off low ball)	2 Man Better Ball	Stableford
2019	AS	60 59	69 76
2020 No Par Change	AS	63 61	66 72
2020 Forward Par Changes	AS	60 58	63 80
2020 Both Pars Change	AS	60 58	63 76
2020 Both Pars Change (90%)	AS	61 59	61 73



# Handicap Calculations

What should we do?

Between now and the start of our active season, make decisions on Stroke Allocation and Par.

Notify the TDGA in writing of your decision.

TDGA will implement your decision into the CRS.

